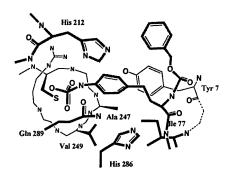


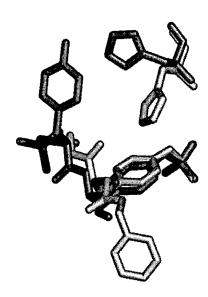
(a)



(b)







					_	70 245	00 0	0 00 05	00 00		
CRYST1	61.			.53		70.345	90.0		90.00	1 000	100 07
ATOM	1	N	LYS		19		.885	20.303	21.460		106.97
ATOM	2	CA	LYS		19		. 939	19.537	20.223		85.75
ATOM	3	CB	LYS		19		.192	20.422	19.007		87.72
MOTA	4	CG	LYS		19		.902	20.923	18.320		95.27
ATOM	5	CD	LYS		19		.014	20.782	16.801		99.48
ATOM	6	CE	LYS	Α	19		. 663	21.012	16.143		100.17
MOTA	7	NZ	LYS	Α	19		.303	22.523	16.035	1.000	
ATOM	8	С	LYS	Α	19		.027	18.457	20.298		78.84
ATOM	9	0	LYS	Α	19	15.	.217	18.783	20.327	1.000	93.11
MOTA	10	N	THR	Α	20	13	.573	17.224	20.310	1.000	69.90
ATOM	11	CA	THR	Α	20	14	.257	15.957	20.169	1.000	59.58
ATOM	12	CB	THR	Α	20	13	.713	15.258	18.900	1.000	45.21
ATOM	13	OG1	THR	Α	20	14.	. 633	14.309	18.358	1.000	57.38
ATOM	14	CG2	THR	Α	20	13.	.489	16.286	17.795	1.000	64.36
ATOM	15	С	THR	Α	20	15	.771	16.101	20.107	1.000	59.34
ATOM	16	0	THR	Α	20	16.	.304	16.833	19.272	1.000	83.31
ATOM	17	N	SER	Α	21	16.	.471	15.408	20.994	1.000	53.48
ATOM	18	CA	SER	Α	21	17.	. 903	15.206	20.988	1.000	46.96
ATOM	19	CB	SER	Α	21	18.	. 353	14.742	19.581	1.000	47.66
ATOM	20	OG	SER	Α	21	19.	.770	14.620	19.599	1.000	58.97
ATOM	21	С	SER	Α	21	18.	.784	16.398	21.346	1.000	41.17
ATOM	22	0	SER	Α	21	18.	. 538	17.534	20.963	1.000	47.65
ATOM	23	N	CYS	Α	22	19.	.843	16.085	22.080	1.000	41.72
MOTA	24	CA	CYS	A	22	20.	.898	16.977	22.509	1.000	43.91
MOTA	25	СВ	CYS	Α	22	20.	.566	17.726	23.798	1.000	41.39
ATOM	26	SG	CYS	Α	22	19.	. 635	19.259	23.584	1.000	109.59
MOTA	27	С	CYS	Α	22	22.	.183	16.174	22.752	1.000	37.65
ATOM	28	0	CYS	Α	22	22.	. 505	15.999	23.925	1.000	36.88
ATOM	29	N	PRO	Α	23	22.	.822	15.731	21.680	1.000	
MOTA	30	CA	PRO	Α	23	24.	.007	14.873	21.736		46.23
ATOM	31	CB	PRO	Α	23	24.	.238	14.461	20.277	1.000	45.02
ATOM	32	CG	PRO	Α	23	23.	.012	14.867	19.533	1.000	44.64
MOTA	33	CD	PRO	Α	23	22.	.447	16.037	20.280	1.000	
ATOM	34	С	PRO	Α	23		.254	15.595	22.253	1.000	49.52
ATOM	35	0	PRO	Α	23	25.	.409	16.802	22.079		43.06
MOTA	36	N	ILE	A	24		.145	14.847	22.897		50.39
ATOM	37	CA	ILE	Α	24		. 396	15.350	23.436	1.000	
ATOM	38	CB	ILE		24		.299	15.718	24.926		
MOTA	39		ILE		24		.035	16.480	25.330		
MOTA	40		ILE		24		.222	15.741	26.376		
MOTA	41	CG2	ILE	Α	24		. 545	16.488	25.350		
MOTA	42	С	ILE		24		.517	14.327	23.296		
MOTA	43	0	ILE	Α	24		.322	13.140	23.537		
MOTA	44	N	LYS		25		.713	14.766	22.907		
MOTA	45	CA	LYS		25		820	13.808	22.815		
MOTA	46	CB	LYS		25		917	14.375	21.922		
MOTA	47	CG	LYS		25		444	14.757	20.527		
MOTA	48	CD	LYS		25		307	14.074	19.471		
MOTA	49	CE	LYS		25		469	13.255	18.493		
ATOM	50	ΝZ	LYS		25		.328	12.452	17.576		
MOTA	51	C	LYS	Α	25	31.	346	13.486	24.204	1.000	52.08

ATOM	52	0	LYS	Α	25	31.294	14.340	25.095	1.000	53.68
ATOM	53	N	ILE	Α	26	31.849	12.274	24.434	1.000	52.14
ATOM	54	CA	ILE	Α	26	32.275	11.942	25.793	1.000	63.74
ATOM	55	СВ	ILE		26	32.817	10.504	25.904	1.000	65.16
	56	CG1	ILE		26	34.316	10.370	25.624	1.000	65.92
ATOM								25.852		69.50
ATOM	57	CD1	ILE		26	34.847	8.970			
MOTA	58	CG2	ILE		26	32.016	9.561	25.016		68.17
ATOM	59	С	ILE	А	26	33.335	12.911	26.307	1.000	70.34
MOTA	60	0	ILE	Α	26	33.411	13.146	27.515	1.000	67.42
ATOM	61	N	ASN	Α	27	34.141	13.465	25.406	1.000	74.12
ATOM	62	CA	ASN	Α	27	35.231	14.350	25.799	1.000	78.44
MOTA	63	СВ	ASN	Α	27	36.116	14.679	24.588	1.000	86.40
ATOM	64	CG	ASN		27	36.877	15.980	24.768	1.000	90.22
ATOM	65	OD1	ASN		27	37.854	16.044	25.515		84.42
	66		ASN		27	36.432	17.033	24.084		85.29
ATOM								26.423		75.19
ATOM	67	C	ASN		27	34.740	15.649			
ATOM	68	0	ASN		27	35.473	16.309	27.170		89.55
ATOM	69	N	GLN		28	33.507	16.048	26.126		67.31
MOTA	70	CA	GLN		28	33.008	17.350	26.550		57.01
ATOM	71	CB	GLN	Α	28	32.497	18.097	25.313	1.000	54.35
ATOM	72	CG	GLN	Α	28	32.204	19.571	25.517	1.000	59.01
ATOM	73	CD	GLN	Α	28	32.233	20.351	24.213	1.000	66.07
ATOM	74	OE1	GLN		28	31.315	21.121	23.907	1.000	69.78
ATOM	75	NE2	GLN		28	33.291	20.154	23.427		81.02
ATOM	76	C	GLN		28	31.894	17.263	27.581	1.000	51.77
					28	31.322	18.300	27.939		55.71
ATOM	77	0	GLN					28.051		50.17
ATOM	78	N	PHE		29	31.566	16.061			
MOTA	79	CA	PHE		29	30.395	15.896	28.910		48.12
ATOM	80	CB	PHE		29	29.984	14.424	29.031		47.45
ATOM	81	CG	PHE	А	29	28.679	14.209			51.71
ATOM	82	CD1	PHE	Α	29	27.473	14.198	29.076		47.01
MOTA	83	CE1	PHE	Α	29	26.272	14.005	29.732	1.000	44.54
MOTA	84	CZ	PHE	Α	29	26.254	13.826	31.104	1.000	53.70
ATOM	85	CE2	PHE	Α	29	27.448	13.826	31.808	1.000	58.73
ATOM	86	CD2			29	28.641	14.016	31.134	1.000	58.31
ATOM	87	C	PHE		29	30.633	16.505	30.293		48.21
ATOM	88	0	PHE		29	29.805	17.313	30.723		51.21
	89	N	GLU		30	31.725	16.100	30.932		50.97
ATOM								32.243		
ATOM	90	CA	GLU		30	32.118	16.617	32.627		
MOTA	91	CB	GLU		30	33.518	16.157			
ATOM	92	CG	GLU		30	33.957	16.520	34.038		
MOTA	93	CD	GLU		30	34.375	15.319	34.871		
ATOM	94	OE1	GLU	А	30	34.907	14.350	34.287		
MOTA	95	OE2	GLU	Α	30	34.180	15.327	36.108		
MOTA	96	С	GLU	Α	30	32.029	18.136	32.196	1.000	42.41
ATOM	97	0	GLU		30	31.394	18.780	33.026		
ATOM	98	N	GLY		31	32.650	18.719	31.167		
ATOM	99	CA	GLY		31	32.510	20.160	31.001		
ATOM	100	CA	GLY		31	31.063	20.531	30.754		
							21.443	31.373		
ATOM	101	0	GLY		31	30.515		29.826		
ATOM	102	N	HIS		32	30.407	19.821			
MOTA	103	CA	HIS	A	32	29.036	20.224	29.519	T.000	40.05

ATOM	104	CB	HIS	Α	32	28.481	19.370	28.368	1.000	44.33
MOTA	105	CG	HIS	Α	32	26.991	19.509	28.268	1.000	46.74
ATOM	106	ND1	HIS	Α	32	26.393	20.629	27.736	1.000	49.67
ATOM	107	CE1	HIS	Α	32	25.081	20.489	27.779	1.000	47.50
MOTA	108	NE2	HIS	Α	32	24.803	19.318	28.328	1.000	46.49
ATOM	109	CD2	HIS	Α	32	25.985	18.688	28.642	1.000	48.61
ATOM	110	С	HIS		32	28.128	20.126	30.738	1.000	36.48
ATOM	111	0	HIS		32	27.213	20.935	30.894	1.000	47.25
ATOM	112	N		A	33	28.355	19.146	31.611	1.000	37.04
ATOM	113	CA	PHE		33	27.466	18.940	32.760		45.61
ATOM	114	CB	PHE		33	27.679	17.531	33.322	1.000	44.57
ATOM	115	CG	PHE		33	26.836	17.160	34.514	1.000	38.23
ATOM	116	CD1	PHE		33	25.506	17.531	34.598	1.000	30.80
ATOM	117	CE1	PHE		33	24.748	17.191	35.702	1.000	
		CZ	PHE		33	25.308	16.468	36.737	1.000	30.68
ATOM	118				33	26.635	16.088	36.669		27.11
ATOM	119	CE2	PHE					35.564		28.82
ATOM	120	CD2	PHE		33	27.378	16.436		1.000	
ATOM	121	C	PHE		33	27.652	19.998	33.837		
ATOM	122	0	PHE		33	26.723	20.391	34.548	1.000	35.78
ATOM	123	N		A	34	28.873	20.503	33.990	1.000	55.36
ATOM	124	CA		A	34	29.145	21.595	34.918	1.000	
ATOM	125	CB		A	34	30.612	22.002	34.804	1.000	50.55
ATOM	126	CG		A	34	31.589	20.956	35.319		
ATOM	127	SD		A	34	31.900	21.178	37.082		
MOTA	128	CE	MET	Α	34	32.522	19.553	37.528	1.000	
MOTA	129	С	MET	Α	34	28.257	22.797	34.629	1.000	
ATOM	130	0	MET	Α	34	27.672	23.409	35.524	1.000	
MOTA	131	N	LYS	Α	35	28.169	23.133	33.343	1.000	42.34
ATOM	132	CA	LYS	Α	35	27.337	24.249	32.905	1.000	41.76
ATOM	133	CB	LYS	Α	35	27.357	24.341	31.387	1.000	48.16
ATOM	134	CG	LYS	Α	35	28.744	24.409	30.774	1.000	54.19
ATOM	135	CD	LYS	Α	35	28.745	25.343	29.558	1.000	56.45
ATOM	136	CE	LYS	Α	35	27.969	26.621	29.849	1.000	59.03
MOTA	137	NZ	LYS	Α	35	26.532	26.499	29.466	1.000	63.17
ATOM	138	С	LYS	Α	35	25.902	24.093	33.401	1.000	52.49
ATOM	139	0	LYS	A	35	25.341	25.000	34.019	1.000	58.86
MOTA	140	N	LEU	A	36	25.323	22.927	33.122	1.000	45.81
ATOM	141	CA	LEU	Α	36	23.967	22.608	33.538	1.000	38.58
ATOM	142	CB	LEU	Α	36	23.651	21.126	33.313	1.000	45.57
MOTA	143	CG	LEU		36	23.288	20.682	31.901	1.000	50.85
MOTA	144		LEU		36	24.233	21.277	30.870		
ATOM	145		LEU		36	23.292	19.159	31.799		
ATOM	146	С	LEU		36	23.753	22.921	35.011		
ATOM	147	Ō	LEU		36	22.857	23.679	35.382		
ATOM	148	N	GLN		37	24.585	22.311	35.857		
ATOM	149	CA	GLN		37	24.427	22.527	37.292		
ATOM	150	CB	GLN		37	25.238	21.504	38.085		
ATOM	151	CG	GLN		37	26.311	20.782	37.289		
ATOM	152	CD	GLN		37	26.681	19.440	37.891		
ATOM	153	OE1	GLN		37	27.412	18.655	37.285		
ATOM	154		GLN		37	26.190	19.165	39.092		
ATOM	155	C	GLN		37	24.844	23.938	37.696		
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ATOM 156 O GLN A 37
ATOM 158 CA ALA A 38 26.173 25.905 37.151 1.000 68.20 ATOM 159 CB ALA A 38 27.038 26.387 35.992 1.000 88.29 ATOM 160 C ALA A 38 25.055 26.906 37.416 1.000 68.67 ATOM 161 O ALA A 38 24.003 26.933 36.777 1.000 57.74 ATOM 162 N ASP A 39 25.301 27.778 38.394 1.000 72.20 ATOM 163 CA ASP A 39 24.314 28.796 38.736 1.000 74.27 ATOM 165 CG ASP A 39 24.314 28.796 38.736 1.000 97.59 ATOM 166 ODI ASP A 39 24.958 30.635 35.641 1.000113.10 ATOM 167 ODZ ASP A 39 24.958 30.635 35.641 1.0001105.88 ATOM 168 C ASP A 39 24.958 30.635 35.641 1.0001105.88 ATOM 169 O ASP A 39 23.087 28.123 39.343 1.000 66.70 ATOM 170 N SER A 40 23.298 26.947 39.907 1.000 64.44 ATOM 171 CA SER A 40 22.275 26.159 40.578 1.000 64.68 ATOM 173 OG SER A 40 22.275 26.159 40.578 1.000 65.65 ATOM 174 C SER A 40 22.275 26.159 40.578 1.000 65.65 ATOM 175 O SER A 40 21.376 25.400 39.603 1.000 62.90 ATOM 176 N ASN A 41 21.912 24.422 38.883 1.000 62.90 ATOM 176 N ASN A 41 21.912 24.422 38.883 1.000 60.85 ATOM 177 CA ASN A 41 21.912 24.422 38.883 1.000 60.85 ATOM 179 CG ASN A 41 20.165 22.694 38.532 1.000 61.83 ATOM 179 CG ASN A 41 21.912 24.422 38.883 1.000 60.85 ATOM 179 CG ASN A 41 20.165 22.694 38.532 1.000 61.83 ATOM 179 CG ASN A 41 20.762 21.620 39.402 1.000 69.08 ATOM 180 ODI ASN A 41 21.912 24.422 38.883 1.000 60.85 ATOM 180 ODI ASN A 41 20.762 21.620 39.402 1.000 69.08 ATOM 180 ODI ASN A 41 20.965 22.694 38.532 1.000 61.83 ATOM 180 ODI ASN A 41 20.965 22.694 38.532 1.000 61.83 ATOM 180 ODI ASN A 41 20.965 22.694 38.532 1.000 61.83 ATOM 180 ODI ASN A 41 19.9957 21.130 40.339 1.000 78.07 ATOM 183 O ASN A 41 19.9957 21.130 40.339 1.000 78.07 ATOM 183 O ASN A 41 19.9957 21.130 40.339 1.000 78.07 ATOM 184 N TYR A 42 20.865 25.767 36.685 1.000 60.58 ATOM 185 CA TYR A 42 19.955 26.712 35.995 1.000 62.78
ATOM 158 CA ALA A 38 26.173 25.905 37.151 1.000 68.20 ATOM 159 CB ALA A 38 27.038 26.387 35.992 1.000 88.29 ATOM 160 C ALA A 38 25.055 26.906 37.416 1.000 68.67 ATOM 161 O ALA A 38 24.003 26.933 36.777 1.000 57.74 ATOM 162 N ASP A 39 25.301 27.778 38.394 1.000 74.27 ATOM 163 CA ASP A 39 25.301 27.778 38.394 1.000 74.27 ATOM 164 CB ASP A 39 24.314 28.796 38.736 1.000 74.27 ATOM 165 CG ASP A 39 25.044 30.402 36.878 1.000 97.59 ATOM 166 OD1 ASP A 39 24.958 30.635 35.641 1.000113.10 ATOM 167 OD2 ASP A 39 24.958 30.635 35.641 1.000113.10 ATOM 168 C ASP A 39 24.958 30.635 35.641 1.000105.88 ATOM 168 C ASP A 39 23.087 28.123 39.343 1.000 66.70 ATOM 169 O ASP A 39 23.087 28.123 39.343 1.000 66.70 ATOM 171 CA SER A 40 23.298 26.947 39.907 1.000 64.44 ATOM 171 CA SER A 40 22.275 26.159 40.578 1.000 64.68 ATOM 173 OG SER A 40 22.275 26.159 40.578 1.000 65.65 ATOM 174 C SER A 40 22.105 28.171 41.962 1.000 78.01 ATOM 176 N ASN A 41 21.912 24.422 38.883 1.000 62.90 ATOM 177 CA ASN A 41 21.912 24.422 38.883 1.000 60.85 ATOM 178 CB ASN A 41 21.912 24.422 38.883 1.000 60.85 ATOM 179 CG ASN A 41 20.165 22.694 38.532 1.000 61.83 ATOM 179 CG ASN A 41 20.165 22.694 38.532 1.000 61.83 ATOM 179 CG ASN A 41 20.762 21.620 39.402 1.000 69.08 ATOM 180 OD1 ASN A 41 20.762 21.620 39.402 1.000 69.08 ATOM 180 OD1 ASN A 41 20.762 21.620 39.402 1.000 69.08 ATOM 181 ND2 ASN A 41 20.762 21.620 39.402 1.000 69.08 ATOM 183 O ASN A 41 20.361 24.555 36.966 1.000 67.15 ATOM 183 O ASN A 41 20.361 24.555 36.966 1.000 67.15 ATOM 184 N TYR A 42 20.825 25.767 36.685 1.000 63.68 ATOM 185 CA TYR A 42 19.955 26.712 35.995 1.000 80.59 ATOM 185 CA TYR A 42 19.955 26.712 35.995 1.000 62.78
ATOM 160 C ALA A 38 25.055 26.906 37.416 1.000 88.29 ATOM 161 O ALA A 38 24.003 26.933 36.777 1.000 57.74 ATOM 162 N ASP A 39 25.301 27.778 38.394 1.000 72.20 ATOM 163 CA ASP A 39 24.314 28.796 38.736 1.000 74.27 ATOM 164 CB ASP A 39 23.909 29.628 37.527 1.000 85.74 ATOM 165 CG ASP A 39 23.909 29.628 37.527 1.000 85.74 ATOM 166 OD1 ASP A 39 24.958 30.635 35.641 1.000113.10 ATOM 167 OD2 ASP A 39 24.958 30.635 35.641 1.000105.88 ATOM 168 C ASP A 39 23.087 28.123 39.343 1.000 66.70 ATOM 170 N SER A 40 23.298 26.947 39.907 1.000 64.44 ATOM 171 CA SER A 40 22.275 26.159 40.578 1.000 73.27 ATOM 173 OG SER A 40 22.275 26.159 40.578 1.000 78.01 ATOM 174 C SER A 40 22.105 28.171 41.962 1.000 78.01 ATOM 175 O SER A 40 21.376 25.400 39.603 1.000 62.90 ATOM 176 N ASN A 41 21.172 23.654 37.894 1.000 61.49 ATOM 177 CA ASN A 41 21.172 23.654 37.894 1.000 61.49 ATOM 178 CB ASN A 41 20.165 22.694 38.532 1.000 69.08 ATOM 180 OD1 ASN A 41 20.165 22.694 38.532 1.000 69.08 ATOM 181 ND2 ASN A 41 19.957 21.130 40.339 1.000 78.07 ATOM 183 O ASN A 41 19.957 21.130 40.339 1.000 78.07 ATOM 184 N TYR A 42 20.825 25.767 36.685 1.000 67.15 ATOM 185 CA TYR A 42 19.955 26.712 35.995 1.000 63.68 ATOM 186 CB TYR A 42 19.955 26.712 35.995 1.000 63.68
ATOM 160 C ALA A 38 25.055 26.906 37.416 1.000 68.67 ATOM 161 O ALA A 38 24.003 26.933 36.777 1.000 57.74 ATOM 162 N ASP A 39 25.301 27.778 38.394 1.000 72.20 ATOM 163 CA ASP A 39 24.314 28.796 38.736 1.000 74.27 ATOM 164 CB ASP A 39 23.909 29.628 37.527 1.000 85.74 ATOM 165 CG ASP A 39 25.044 30.402 36.878 1.000 97.59 ATOM 166 OD1 ASP A 39 24.958 30.635 35.641 1.000113.10 ATOM 167 OD2 ASP A 39 24.958 30.635 35.641 1.000113.10 ATOM 168 C ASP A 39 23.087 28.123 39.343 1.000 66.70 ATOM 169 O ASP A 39 21.999 28.689 39.281 1.000 73.27 ATOM 170 N SER A 40 23.298 26.947 39.907 1.000 64.44 ATOM 171 CA SER A 40 22.275 26.159 40.578 1.000 64.68 ATOM 172 CB SER A 40 22.275 26.159 40.578 1.000 64.68 ATOM 174 C SER A 40 21.396 27.050 41.465 1.000 78.01 ATOM 175 O SER A 40 21.376 25.400 39.603 1.000 62.90 ATOM 176 N ASN A 41 21.912 24.422 38.883 1.000 60.85 ATOM 177 CA ASN A 41 21.912 24.422 38.883 1.000 61.49 ATOM 178 CB ASN A 41 21.912 24.422 38.883 1.000 61.83 ATOM 179 CG ASN A 41 20.762 21.620 39.402 1.000 69.08 ATOM 180 OD1 ASN A 41 20.762 21.620 39.402 1.000 69.08 ATOM 180 OD1 ASN A 41 20.762 21.620 39.402 1.000 69.08 ATOM 181 ND2 ASN A 41 20.762 21.620 39.402 1.000 69.08 ATOM 183 O ASN A 41 19.957 21.130 40.339 1.000 67.15 ATOM 183 O ASN A 41 19.957 21.130 40.339 1.000 67.15 ATOM 184 N TYR A 42 20.825 25.767 36.685 1.000 63.68 ATOM 185 CA TYR A 42 19.955 26.712 35.995 1.000 63.68 ATOM 186 CB TYR A 42 20.825 25.767 36.685 1.000 63.68 ATOM 186 CB TYR A 42 20.581 28.109 35.929 1.000 63.78
ATOM 161 O ALA A 38 24.003 26.933 36.777 1.000 57.74 ATOM 162 N ASP A 39 25.301 27.778 38.394 1.000 72.20 ATOM 163 CA ASP A 39 24.314 28.796 38.736 1.000 74.27 ATOM 164 CB ASP A 39 23.909 29.628 37.527 1.000 85.74 ATOM 165 CG ASP A 39 25.044 30.402 36.878 1.000 97.59 ATOM 166 OD1 ASP A 39 24.958 30.635 35.641 1.000113.10 ATOM 167 OD2 ASP A 39 26.039 30.750 37.574 1.000105.88 ATOM 168 C ASP A 39 26.039 30.750 37.574 1.000105.88 ATOM 169 O ASP A 39 23.087 28.123 39.343 1.000 66.70 ATOM 169 O ASP A 39 21.999 28.689 39.281 1.000 73.27 ATOM 170 N SER A 40 23.298 26.947 39.907 1.000 64.44 ATOM 171 CA SER A 40 22.275 26.159 40.578 1.000 64.68 ATOM 172 CB SER A 40 22.275 26.159 40.578 1.000 73.01 ATOM 174 C SER A 40 22.105 28.171 41.962 1.000 78.01 ATOM 175 O SER A 40 21.376 25.400 39.603 1.000 62.90 ATOM 176 N ASN A 41 21.912 24.422 38.883 1.000 60.85 ATOM 177 CA ASN A 41 21.912 24.422 38.883 1.000 60.85 ATOM 178 CB ASN A 41 21.912 24.422 38.883 1.000 60.85 ATOM 179 CG ASN A 41 21.912 24.422 38.883 1.000 60.85 ATOM 180 OD1 ASN A 41 21.917 21.225 39.250 1.000 61.83 ATOM 180 OD1 ASN A 41 21.917 21.225 39.250 1.000 69.08 ATOM 181 ND2 ASN A 41 20.762 21.620 39.402 1.000 69.08 ATOM 181 ND2 ASN A 41 20.361 24.555 36.666 1.000 67.15 ATOM 183 O ASN A 41 19.989 24.130 36.528 1.000 67.05 ATOM 184 N TYR A 42 20.825 25.767 36.685 1.000 63.68 ATOM 185 CA TYR A 42 19.955 26.712 35.995 1.000 63.68 ATOM 185 CA TYR A 42 19.955 26.712 35.995 1.000 63.78
ATOM 162 N ASP A 39 25.301 27.778 38.394 1.000 72.20 ATOM 163 CA ASP A 39 24.314 28.796 38.736 1.000 74.27 ATOM 164 CB ASP A 39 23.909 29.628 37.527 1.000 85.74 ATOM 165 CG ASP A 39 25.044 30.402 36.878 1.000 97.59 ATOM 166 ODI ASP A 39 26.039 30.750 37.574 1.000105.88 ATOM 167 OD2 ASP A 39 26.039 30.750 37.574 1.000105.88 ATOM 169 O ASP A 39 21.999 28.689 39.281 1.000 73.27 ATOM 170 N SER A 40 23.298 26.947 39.907 1.000 66.70 ATOM 171 CA SER A 40 22.275 26.159 40.578 1.000 64.68 ATOM 172 CB SER A 40 22.275 26.159 40.578 1.000 64.68 ATOM 173 OG SER A 40 22.105 28.171 41.962 1.000 78.01 ATOM 174 C SER A 40 22.105 28.171 41.962 1.000 78.01 ATOM 175 O SER A 40 20.184 25.716 39.507 1.000 62.90 ATOM 176 N ASN A 41 21.912 24.422 38.883 1.000 60.85 ATOM 177 CA ASN A 41 21.912 24.422 38.883 1.000 60.85 ATOM 178 CB ASN A 41 21.172 23.654 37.894 1.000 61.49 ATOM 179 CG ASN A 41 20.165 22.694 38.532 1.000 61.83 ATOM 180 ODI ASN A 41 20.762 21.620 39.402 1.000 69.08 ATOM 181 ND2 ASN A 41 20.762 21.620 39.402 1.000 69.08 ATOM 181 ND2 ASN A 41 20.361 24.555 36.966 1.000 78.07 ATOM 183 O ASN A 41 19.289 24.130 36.528 1.000 80.59 ATOM 184 N TYR A 42 20.825 25.767 36.685 1.000 80.58 ATOM 185 CA TYR A 42 19.955 26.712 35.995 1.000 58.60 ATOM 185 CA TYR A 42 19.955 26.712 35.995 1.000 58.60 ATOM 186 CB TYR A 42 20.581 28.109 35.929 1.000 62.78
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ATOM 178 CB ASN A 41 20.165 22.694 38.532 1.000 61.83 ATOM 179 CG ASN A 41 20.762 21.620 39.402 1.000 69.08 ATOM 180 OD1 ASN A 41 21.917 21.225 39.250 1.000 80.40 ATOM 181 ND2 ASN A 41 19.957 21.130 40.339 1.000 78.07 ATOM 182 C ASN A 41 20.361 24.555 36.966 1.000 67.15 ATOM 183 O ASN A 41 19.289 24.130 36.528 1.000 80.59 ATOM 184 N TYR A 42 20.825 25.767 36.685 1.000 63.68 ATOM 185 CA TYR A 42 19.955 26.712 35.995 1.000 58.60 ATOM 186 CB TYR A 42 20.581 28.109 35.929 1.000 62.78
ATOM 179 CG ASN A 41 20.762 21.620 39.402 1.000 69.08 ATOM 180 OD1 ASN A 41 21.917 21.225 39.250 1.000 80.40 ATOM 181 ND2 ASN A 41 19.957 21.130 40.339 1.000 78.07 ATOM 182 C ASN A 41 20.361 24.555 36.966 1.000 67.15 ATOM 183 O ASN A 41 19.289 24.130 36.528 1.000 80.59 ATOM 184 N TYR A 42 20.825 25.767 36.685 1.000 63.68 ATOM 185 CA TYR A 42 19.955 26.712 35.995 1.000 58.60 ATOM 186 CB TYR A 42 20.581 28.109 35.929 1.000 62.78
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ATOM 186 CB TYR A 42 20.581 28.109 35.929 1.000 62.78
ATOM 187 CG TYR A 42 19.713 29.057 35.134 1.000 60.11
ATOM 188 CD1 TYR A 42 18.414 29.333 35.553 1.000 62.46
ATOM 189 CE1 TYR A 42 17.603 30.195 34.844 1.000 61.51
ATOM 190 CZ TYR A 42 18.099 30.785 33.705 1.000 62.86
ATOM 191 OH TYR A 42 17.300 31.648 32.990 1.000 84.83
75 76 76 76 76 76 76 76 76 76 76 76 76 76
ATOM 195 O TYR A 42 18.468 26.109 34.216 1.000 44.77 ATOM 196 N LEU A 43 20.701 25.982 33.847 1.000 40.94
ATOM 197 CA LEU A 43 20.603 25.447 32.499 1.000 53.15
ATOM 198 CB LEU A 43 21.973 25.359 31.837 1.000 60.19
ATOM 199 CG LEU A 43 22.899 26.570 31.920 1.000 67.43
ATOM 200 CD1 LEU A 43 23.839 26.600 30.724 1.000 71.66
ATOM 201 CD2 LEU A 43 22.126 27.871 32.003 1.000 79.71
ATOM 202 C LEU A 43 19.934 24.068 32.542 1.000 55.94
ATOM 203 O LEU A 43 18.895 23.893 31.904 1.000 56.22
ATOM 204 N LEU A 44 20.523 23.138 33.277 1.000 55.33
ATOM 205 CA LEU A 44 20.043 21.785 33.466 1.000 57.43
ATOM 206 CB LEU A 44 20.668 21.151 34.719 1.000 58.28
ATOM 207 CG LEU A 44 20.333 19.672 34.935 1.000 58.45

ATOM 208 CD1 LEU A 44 19.563 18.890 35.396 1.000 66.34 ATOM 210 C LEU A 44 19.525 19.500 35.999 1.000 64.52 ATOM 211 O LEU A 44 17.875 20.876 33.005 1.000 58.45 ATOM 212 N SER A 45 18.022 22.636 34.428 1.000 58.87 ATOM 213 CA SER A 45 18.022 22.636 34.428 1.000 58.87 ATOM 213 CA SER A 45 16.564 22.760 34.841 1.000 54.60 ATOM 215 OG SER A 45 15.228 23.927 36.463 1.000 55.87 ATOM 216 C SER A 45 15.228 23.927 36.463 1.000 55.87 ATOM 217 O SER A 45 15.745 23.315 33.743 1.000 55.87 ATOM 218 N LYS A 46 16.303 24.131 32.849 1.000 66.95 ATOM 219 CA LYS A 46 15.937 25.962 31.242 1.000 74.26 ATOM 210 CB LYS A 46 15.937 25.962 31.242 1.000 74.26 ATOM 221 CG LYS A 46 15.937 25.962 31.242 1.000 74.26 ATOM 222 CD LYS A 46 15.937 25.963 31.000 57.81 ATOM 223 CE LYS A 46 15.937 25.963 31.000 57.81 ATOM 224 NZ LYS A 46 15.937 25.963 31.243 1.000 76.81 ATOM 225 C LYS A 46 15.937 25.963 31.243 1.000 77.01 ATOM 226 D LYS A 46 15.937 25.963 31.243 1.000 77.01 ATOM 227 N GLU A 47 16.634 23.378 30.116 1.000 76.61 ATOM 226 C LYS A 46 15.391 27.555 33.036 1.000 76.81 ATOM 227 N GLU A 47 16.636 22.917 30.384 1.000 77.01 ATOM 228 CA GLU A 47 16.525 21.820 29.431 1.000 75.22 ATOM 229 CB GLU A 47 16.525 21.820 29.431 1.000 75.24 ATOM 231 CD GLU A 47 16.525 21.820 29.431 1.000 75.54 ATOM 232 CE GLU A 47 18.207 20.22 28.322 1.000 54.01 ATOM 233 OEL GLU A 47 18.207 20.22 28.322 1.000 54.01 ATOM 233 OEL GLU A 47 18.507 20.23 28.395 1.000 49.31 ATOM 234 C GLU A 47 18.507 20.23 28.395 1.000 49.31 ATOM 235 C GLU A 47 18.507 20.738 29.990 1.000 49.31 ATOM 236 N TYR A 48 13.902 17.993 33.599 1.000 36.61 ATOM 237 CA TYR A 48 13.902 27.533 33.399 1.000 36.64 ATOM 240 CD1 TYR A 48 13.902 17.993 33.599 1.000 36.45 ATOM 240 CD1 TYR A 48 13.902 17.993 33.599 1.000 36.45 ATOM 240 CD1 TYR A 48 13.902 17.993 33.599 1.000 36.45 ATOM 240 CD1 TYR A 48 13.902 17.993 33.599 1.000 36.45 ATOM 240 CD1 TYR A 48 13.902 17.993 33.599 1.000 36.65 ATOM 240 CD TYR A 48 13.902 27.593 33.399 1.000 36.65 ATOM 240 CD TYR A 48 13.902 27.593 33.399 1.000 36.65 ATOM 250 CB GLU											
ATOM 210 C LEU A 44 17.8752 21.721 33.618 1.000 58.45 ATOM 211 N SER A 45 116.032 22.636 34.428 1.000 58.88 ATOM 213 CA SER A 45 116.034 22.760 34.841 1.000 54.60 ATOM 214 CB SER A 45 116.034 22.760 34.841 1.000 55.87 ATOM 215 OG SER A 45 116.034 22.760 34.841 1.000 55.87 ATOM 216 C SER A 45 115.745 23.315 33.743 1.000 57.32 ATOM 217 O SER A 45 115.745 23.315 33.743 1.000 57.32 ATOM 218 N LYS A 46 16.303 24.131 32.849 1.000 62.62 ATOM 219 CA LYS A 46 15.937 25.962 31.242 1.000 74.26 ATOM 221 CG LYS A 46 15.937 25.962 31.242 1.000 74.26 ATOM 221 CG LYS A 46 15.937 25.962 31.242 1.000 76.81 ATOM 222 CD LYS A 46 15.163 27.555 33.036 1.000 76.98 ATOM 223 CE LYS A 46 15.163 27.555 33.036 1.000 76.98 ATOM 224 NZ LYS A 46 13.910 28.669 31.183 1.000 76.01 ATOM 225 C LYS A 46 15.937 27.555 33.036 1.000 76.91 ATOM 226 O LYS A 46 15.937 27.555 33.036 1.000 76.91 ATOM 227 N GLU A 47 16.525 21.820 29.431 1.000 75.22 ATOM 228 CA GLU A 47 16.525 21.820 29.431 1.000 75.52 ATOM 229 CB GLU A 47 16.525 21.820 29.431 1.000 57.52 ATOM 230 CG GLU A 47 19.602 19.627 28.395 1.000 57.52 ATOM 231 CD GLU A 47 19.602 19.627 28.395 1.000 57.52 ATOM 232 CE GLU A 47 19.799 18.714 29.229 1.000 49.73 ATOM 233 CD GLU A 47 19.602 19.627 28.395 1.000 54.12 ATOM 234 C GLU A 47 19.799 18.714 29.229 1.000 49.73 ATOM 235 C GLU A 47 19.799 18.714 29.229 1.000 49.73 ATOM 236 N TYR A 48 15.483 20.208 29.939 1.000 39.85 ATOM 237 CA TYR A 48 15.493 20.208 29.939 1.000 39.85 ATOM 238 CB TYR A 48 13.950 16.650 33.247 1.000 36.61 ATOM 240 CD1 TYR A 48 13.922 17.993 33.599 1.000 38.64 ATOM 240 CD1 TYR A 48 13.950 16.650 35.247 1.000 36.61 ATOM 240 CD1 TYR A 48 13.950 16.650 35.248 1.000 36.61 ATOM 240 CD1 TYR A 48 13.950 16.650 35.247 1.000 36.61 ATOM 240 CD1 TYR A 48 13.950 16.650 35.247 1.000 36.61 ATOM 240 CD1 TYR A 48 13.950 16.650 35.247 1.000 36.61 ATOM 240 CD1 TYR A 48 13.950 16.650 35.247 1.000 36.61 ATOM 240 CD1 TYR A 48 13.952 17.993 33.390 1.000 36.61 ATOM 240 CD2 TYR A 48 13.912 19.774 31.488 1.000 36.63 ATOM 240 CD2 TYR A 48 13.912 19.774 31.488	ATOM	208	CD1			4 4	21.583	18.890			
ATOM 211 O LEU A 44 17.875 20.876 33.005 1.000 62.57 ATOM 212 N SER A 45 16.034 22.636 34.428 1.000 54.60 ATOM 213 CA SER A 45 16.634 22.760 34.841 1.000 54.60 ATOM 213 CA SER A 45 16.564 23.645 36.093 1.000 55.24 ATOM 215 CG SER A 45 15.228 23.927 36.463 1.000 55.24 ATOM 216 C SER A 45 15.228 23.927 36.463 1.000 57.32 ATOM 217 O SER A 45 15.745 23.315 33.743 1.000 57.32 ATOM 217 O SER A 45 15.745 23.315 33.743 1.000 57.34 ATOM 218 N LYS A 46 16.303 24.131 32.849 1.000 62.62 ATOM 219 CA LYS A 46 15.432 24.625 31.776 1.000 66.95 ATOM 220 CB LYS A 46 15.432 24.625 31.776 1.000 66.95 ATOM 221 CG LYS A 46 15.535 26.942 32.327 1.000 76.98 ATOM 222 CD LYS A 46 15.5163 27.555 33.036 1.000 76.98 ATOM 223 CE LYS A 46 15.5163 27.555 33.036 1.000 76.98 ATOM 224 NZ LYS A 46 13.919 27.533 32.159 1.000 76.01 ATOM 224 NZ LYS A 46 13.919 27.533 32.159 1.000 76.01 ATOM 224 NZ LYS A 46 13.919 27.533 30.361 1.000 76.01 ATOM 225 CL LYS A 46 13.919 27.533 30.161 1.000 58.56 ATOM 226 NZ LYS A 46 13.919 28.669 31.183 1.000 76.01 ATOM 227 N GUJ A 47 16.436 22.917 30.384 1.000 75.22 ATOM 226 NG LU A 47 16.436 22.917 30.384 1.000 75.54 ATOM 227 N GUJ A 47 16.525 21.820 29.431 1.000 55.54 ATOM 230 CG GUU A 47 16.636 22.917 30.384 1.000 55.54 ATOM 231 CD GUU A 47 16.636 22.917 30.384 1.000 55.54 ATOM 233 CE GUU A 47 16.525 21.820 29.431 1.000 55.54 ATOM 233 CE GUU A 47 18.207 20.220 28.322 1.000 54.12 ATOM 233 CE GUU A 47 18.207 20.220 28.322 1.000 54.12 ATOM 233 CE GUU A 47 19.602 19.627 28.395 1.000 49.73 ATOM 235 CG GUU A 47 19.602 19.627 28.395 1.000 49.73 ATOM 236 N TYR A 48 13.950 19.627 29.391 1.000 49.73 ATOM 237 CA TYR A 48 13.952 17.993 33.599 1.000 36.61 ATOM 240 CD TYR A 48 13.952 17.993 33.599 1.000 36.45 ATOM 240 CD TYR A 48 13.952 17.993 33.599 1.000 36.45 ATOM 240 CD TYR A 48 13.952 17.993 33.599 1.000 36.45 ATOM 240 CD TYR A 48 13.953 18.405 34.738 1.000 46.05 ATOM 240 CD TYR A 48 13.950 18.405 34.905 34.905 34.905 34.905 34.905 34.905 34.905 34.905 34.905 34.905 34.905 34.905 34.905 34.905 34.905 34.905 34.905 34.905 34.	MOTA	209	CD2	LEU	Α	44	19.259	19.509	35.999	1.000	64.52
ATOM 212 N SER A 45 18.022 22.636 34.428 1.000 58.88 ATOM 213 CA SER A 45 16.634 22.760 34.841 1.000 54.06 ATOM 214 CB SER A 45 16.564 23.645 36.093 1.000 50.24 ATOM 215 OG SER A 45 15.228 23.927 36.463 1.000 55.87 ATOM 216 C SER A 45 15.745 23.315 33.743 1.000 57.44 ATOM 217 O SER A 45 14.548 23.027 33.655 1.000 57.44 ATOM 218 N LYS A 46 16.303 24.131 32.849 1.000 62.62 ATOM 219 CA LYS A 46 15.432 24.625 31.776 1.000 66.65 ATOM 220 CB LYS A 46 15.937 25.962 31.242 1.000 74.26 ATOM 221 CG LYS A 46 15.937 25.962 31.242 1.000 76.81 ATOM 221 CG LYS A 46 15.937 25.962 31.242 1.000 76.81 ATOM 222 CD LYS A 46 15.163 27.555 33.036 1.000 76.98 ATOM 223 CE LYS A 46 13.919 27.533 32.159 1.000 76.98 ATOM 224 NZ LYS A 46 13.919 27.533 32.159 1.000 76.98 ATOM 224 NZ LYS A 46 13.919 27.533 32.159 1.000 76.91 ATOM 225 C LYS A 46 13.919 27.533 32.159 1.000 76.91 ATOM 224 NZ LYS A 46 13.910 28.669 31.183 1.000 76.91 ATOM 225 C LYS A 46 13.910 28.669 31.183 1.000 76.91 ATOM 225 C LYS A 46 13.910 28.669 31.183 1.000 76.91 ATOM 225 C LYS A 46 13.910 28.669 31.183 1.000 76.91 ATOM 226 CA GLU A 47 16.436 22.917 30.384 1.000 55.54 ATOM 227 N GLU A 47 16.436 22.917 30.834 1.000 55.54 ATOM 228 CA GLU A 47 16.436 22.917 30.384 1.000 55.54 ATOM 229 CB GLU A 47 17.934 21.229 29.431 1.000 50.54 ATOM 230 CG GLU A 47 18.207 20.220 28.322 1.000 54.12 ATOM 231 CD GLU A 47 19.799 18.714 29.229 1.000 49.31 ATOM 232 OEL GLU A 47 19.799 18.714 29.229 1.000 49.31 ATOM 233 OEC GLU A 47 19.799 18.714 29.229 1.000 49.31 ATOM 234 C GLU A 47 19.799 18.714 29.229 1.000 49.31 ATOM 235 O GLU A 47 19.799 18.714 29.229 1.000 49.37 ATOM 236 N TYR A 48 13.950 16.650 33.247 1.000 36.64 ATOM 237 CA TYR A 48 13.950 16.650 33.247 1.000 36.64 ATOM 237 CA TYR A 48 13.950 16.650 33.247 1.000 36.64 ATOM 240 CDL TYR A 48 13.950 16.650 33.247 1.000 36.64 ATOM 240 CDL TYR A 48 13.922 17.993 33.599 1.000 36.45 ATOM 240 CDL TYR A 48 13.922 17.993 33.599 1.000 36.65 ATOM 240 CDL TYR A 48 13.922 17.993 33.390 1.000 36.65 ATOM 240 CDL TYR A 48 13.128 12.998 34.053 1.000 45.26	ATOM	210	С	LEU	Α	44	18.522	21.721	33.618	1.000	58.45
ATOM 212 N SER A 45 18.022 22.636 34.428 1.000 58.88 ATOM 213 CA SER A 45 16.634 22.760 34.841 1.000 54.06 ATOM 214 CB SER A 45 16.564 23.645 36.093 1.000 55.24 ATOM 215 OG SER A 45 15.228 23.927 36.463 1.000 55.24 ATOM 216 C SER A 45 15.228 23.927 36.463 1.000 55.24 ATOM 217 O SER A 45 14.548 23.027 33.655 1.000 57.34 ATOM 218 N LYS A 46 16.303 24.131 32.849 1.000 62.62 ATOM 219 CA LYS A 46 15.432 24.625 31.776 1.000 66.95 ATOM 220 CB LYS A 46 15.937 25.962 31.242 1.000 76.98 ATOM 221 CG LYS A 46 15.937 25.962 31.242 1.000 76.98 ATOM 222 CD LYS A 46 15.163 27.555 33.036 1.000 76.98 ATOM 223 CE LYS A 46 13.919 27.533 32.159 1.000 76.98 ATOM 224 NZ LYS A 46 13.919 27.533 32.159 1.000 77.01 ATOM 225 C LYS A 46 13.919 27.533 32.159 1.000 76.98 ATOM 226 O LYS A 46 13.919 28.669 31.183 1.000 76.98 ATOM 227 N GLU A 47 16.436 22.917 30.384 1.000 75.22 ATOM 227 N GLU A 47 16.436 22.917 30.384 1.000 75.22 ATOM 228 CG GLU A 47 16.436 22.917 30.384 1.000 75.54 ATOM 229 CB GLU A 47 16.525 21.820 29.431 1.000 50.54 ATOM 230 CG GLU A 47 16.525 21.820 29.431 1.000 50.54 ATOM 231 CD GLU A 47 18.207 20.220 28.322 1.000 54.12 ATOM 232 OEI GLU A 47 19.799 18.714 29.229 1.000 49.31 ATOM 233 OEZ GLU A 47 19.799 18.714 29.229 1.000 49.31 ATOM 234 C GLU A 47 19.799 18.714 29.229 1.000 49.37 ATOM 235 O GLU A 47 19.799 18.714 29.229 1.000 49.37 ATOM 236 N TYR A 48 15.448 20.426 31.086 1.000 49.73 ATOM 237 CA TYR A 48 13.920 17.993 33.599 1.000 36.61 ATOM 238 CG TYR A 48 13.921 17.993 33.599 1.000 36.64 ATOM 240 CDI TYR A 48 13.922 17.993 33.599 1.000 36.64 ATOM 240 CDI TYR A 48 13.073 15.745 33.809 1.000 36.64 ATOM 241 CEI TYR A 48 13.922 17.993 33.599 1.000 36.63 ATOM 242 C TYR A 48 13.073 15.745 33.809 1.000 36.64 ATOM 240 CDI TYR A 48 13.073 15.745 33.809 1.000 36.65 ATOM 240 CDI TYR A 48 13.073 15.745 33.809 1.000 36.65 ATOM 240 CDI TYR A 48 13.922 17.993 33.599 1.000 36.65 ATOM 240 CDI TYR A 48 13.073 15.745 33.809 1.000 36.65 ATOM 250 CB GLU A 49 11.249 29.488 1.000 36.95 ATOM 240 CDI TYR A 48 12.227 18.943 31.100 00.06 6.515 ATO	ATOM	211	0	LEU	Α	44	17.875	20.876	33.005	1.000	62.57
ATOM 213 CA SER A 45		212	N	SER	Α	45	18.022	22.636	34.428	1.000	58.88
ATOM 214 CB SER A 45										1.000	54.60
ATOM 215 OG SER A 45											
ATOM 216 C SER A 45											
ATOM 217 O SER A 45											
ATOM 218 N LYS A 46											
ATOM 219 CA LYS A 46											
ATOM 220 CB LYS A 46											
ATOM 221 CG LYS A 46 16.359 26.942 32.327 1.000 76.81 ATOM 222 CD LYS A 46 15.163 27.555 33.036 1.000 76.98 ATOM 223 CE LYS A 46 13.919 27.533 32.159 1.000 77.01 ATOM 224 NZ LYS A 46 13.919 27.533 32.159 1.000 77.01 ATOM 224 NZ LYS A 46 13.910 28.669 31.183 1.000 76.61 ATOM 225 C LYS A 46 15.324 23.574 30.673 1.000 58.56 ATOM 226 O LYS A 46 15.324 23.574 30.673 1.000 58.56 ATOM 227 N GLU A 47 16.436 22.917 30.384 1.000 47.55 ATOM 228 CA GLU A 47 16.525 21.820 29.431 1.000 50.54 ATOM 229 CB GLU A 47 16.525 21.820 29.431 1.000 50.54 ATOM 230 CG GLU A 47 18.027 20.220 28.322 1.000 51.00 ATOM 231 CD GLU A 47 19.602 19.627 28.395 1.000 52.91 ATOM 233 OE2 GLU A 47 19.602 19.627 28.395 1.000 52.91 ATOM 233 OE2 GLU A 47 19.799 18.714 29.229 1.000 49.31 ATOM 233 OE2 GLU A 47 19.799 18.714 29.229 1.000 49.31 ATOM 235 O GLU A 47 19.799 18.714 29.229 1.000 49.31 ATOM 235 O GLU A 47 19.509 20.738 29.790 1.000 49.31 ATOM 236 N TYR A 48 15.448 20.426 31.086 1.000 44.02 ATOM 237 CA TYR A 48 15.448 20.426 31.086 1.000 44.02 ATOM 237 CA TYR A 48 14.890 18.965 32.971 1.000 36.61 ATOM 230 CG TYR A 48 13.950 16.650 33.247 1.000 36.61 ATOM 240 CD1 TYR A 48 13.950 16.650 33.247 1.000 36.45 ATOM 240 CD1 TYR A 48 13.950 16.650 33.247 1.000 36.45 ATOM 240 CD1 TYR A 48 13.950 16.650 33.247 1.000 36.45 ATOM 240 CD1 TYR A 48 13.950 16.650 33.247 1.000 36.45 ATOM 240 CD1 TYR A 48 12.153 16.179 34.738 1.000 35.24 ATOM 240 CD2 TYR A 48 12.153 16.179 34.738 1.000 35.24 ATOM 240 CD2 TYR A 48 12.293 18.405 34.738 1.000 36.93 ATOM 240 CD2 TYR A 48 12.293 18.405 34.738 1.000 36.93 ATOM 240 CD2 TYR A 48 12.293 18.405 34.738 1.000 36.93 ATOM 240 CD2 TYR A 48 12.293 18.405 33.390 1.000 36.93 ATOM 240 CD2 TYR A 48 12.293 18.405 33.390 1.000 36.93 ATOM 240 CD2 TYR A 48 12.293 18.405 33.390 1.000 36.93 ATOM 240 CD2 TYR A 48 12.293 18.405 33.390 1.000 36.93 ATOM 240 CD2 TYR A 48 12.293 18.405 33.390 1.000 36.93 ATOM 240 CD2 TYR A 48 12.293 18.405 33.390 1.000 36.95 ATOM 240 CD2 TYR A 48 12.293 29.953 33.390 1.000 36.95 ATOM 240 CD2 TYR A 48 12.293 29.953											
ATOM 222 CD LYS A 46											
ATOM	ATOM	221	CG	LYS	A						
ATOM	MOTA	222	CD	LYS	Α	46	15.163	27.555			
ATOM	ATOM	223	CE	LYS	Α	46	13.919	27.533	32.159	1.000	77.01
ATOM	ATOM	224	NZ	LYS	Α	46	13.910	28.669	31.183	1.000	76.61
ATOM 227 N GLU A 47 16.436 22.917 30.384 1.000 47.55 ATOM 228 CA GLU A 47 16.525 21.820 29.431 1.000 50.54 ATOM 229 CB GLU A 47 17.934 21.229 29.416 1.000 51.00 ATOM 230 CG GLU A 47 19.602 19.627 28.395 1.000 52.91 ATOM 231 CD GLU A 47 19.602 19.627 28.395 1.000 52.91 ATOM 232 OE1 GLU A 47 19.602 19.627 28.395 1.000 52.91 ATOM 233 OE2 GLU A 47 19.799 18.714 29.229 1.000 49.31 ATOM 233 OE2 GLU A 47 19.799 18.714 29.229 1.000 49.31 ATOM 233 OE2 GLU A 47 19.509 20.738 29.790 1.000 49.31 ATOM 235 O GLU A 47 19.509 20.738 29.790 1.000 49.31 ATOM 235 O GLU A 47 14.803 20.208 28.939 1.000 39.85 ATOM 236 N TYR A 48 15.448 20.426 31.086 1.000 44.02 ATOM 237 CA TYR A 48 14.563 19.352 31.531 1.000 41.02 ATOM 239 CG TYR A 48 14.890 18.965 32.971 1.000 36.61 ATOM 240 CD1 TYR A 48 13.950 16.650 33.247 1.000 36.64 ATOM 240 CD1 TYR A 48 13.950 16.650 33.247 1.000 36.45 ATOM 242 CZ TYR A 48 13.950 16.650 33.247 1.000 36.45 ATOM 242 CZ TYR A 48 11.285 15.269 35.288 1.000 36.83 ATOM 244 CE2 TYR A 48 11.285 15.269 35.288 1.000 36.83 ATOM 244 CE2 TYR A 48 11.285 15.269 35.288 1.000 36.83 ATOM 244 CE2 TYR A 48 11.285 15.269 35.288 1.000 36.83 ATOM 244 CE2 TYR A 48 12.983 18.405 34.535 1.000 34.92 ATOM 247 O TYR A 48 12.983 18.405 34.535 1.000 34.92 ATOM 247 O TYR A 48 12.983 18.405 34.535 1.000 34.92 ATOM 247 O TYR A 48 12.297 18.943 31.170 1.000 34.92 ATOM 249 CA GLU A 49 11.243 21.484 31.313 1.000 36.55 ATOM 249 CA GLU A 49 11.243 21.484 31.313 1.000 36.55 ATOM 250 CB GLU A 49 11.243 21.484 31.313 1.000 36.55 ATOM 250 CB GLU A 49 11.243 21.484 31.313 1.000 36.55 ATOM 250 CB GLU A 49 11.240 22.881 31.875 1.000 34.56 ATOM 250 CB GLU A 49 11.240 22.881 31.875 1.000 34.58 ATOM 250 CB GLU A 49 11.240 22.881 31.875 1.000 34.58 ATOM 250 CB GLU A 49 10.271 21.998 34.535 1.000 65.15 ATOM 250 CB GLU A 49 10.271 21.998 34.535 1.000 65.15 ATOM 250 CB GLU A 49 10.271 21.998 34.535 1.000 65.56 ATOM 250 CB GLU A 49 10.271 21.998 34.535 1.000 65.56 ATOM 250 CB GLU A 49 10.271 21.998 34.535 1.000 34.88 ATOM 250 CB GLU A 49 10.271 21.998 34.505 1.0	ATOM	225	С	LYS	A	46	15.324	23.574	30.673	1.000	58.56
ATOM	ATOM		0	LYS	A	46	14.244	23.378	30.116	1.000	75.22
ATOM	ATOM		N	GLU	Α		16.436	22.917	30.384	1.000	47.55
ATOM 229 CB GLU A 47								21.820			50.54
ATOM 230 CG GLU A 47 18.207 20.220 28.322 1.000 54.12 ATOM 231 CD GLU A 47 19.602 19.627 28.395 1.000 52.91 ATOM 232 OE1 GLU A 47 20.500 20.053 27.631 1.000 41.94 ATOM 233 OE2 GLU A 47 19.799 18.714 29.229 1.000 49.31 ATOM 234 C GLU A 47 15.509 20.738 29.790 1.000 49.31 ATOM 235 O GLU A 47 14.803 20.208 28.939 1.000 39.85 ATOM 236 N TYR A 48 15.448 20.426 31.086 1.000 44.02 ATOM 237 CA TYR A 48 14.563 19.352 31.531 1.000 41.02 ATOM 238 CB TYR A 48 14.890 18.965 32.971 1.000 38.64 ATOM 239 CG TYR A 48 13.922 17.993 33.599 1.000 36.61 ATOM 240 CD1 TYR A 48 13.950 16.650 33.247 1.000 36.61 ATOM 241 CE1 TYR A 48 13.073 15.745 33.809 1.000 36.45 ATOM 242 CZ TYR A 48 12.153 16.179 34.738 1.000 36.45 ATOM 243 OH TYR A 48 11.285 15.269 35.288 1.000 36.83 ATOM 244 CE2 TYR A 48 12.098 17.506 35.108 1.000 36.92 ATOM 245 CD2 TYR A 48 12.098 17.506 35.108 1.000 36.92 ATOM 246 C TYR A 48 12.983 18.405 34.535 1.000 36.93 ATOM 247 O TYR A 48 12.293 18.405 34.535 1.000 36.93 ATOM 248 N GLU A 49 12.839 21.077 31.488 1.000 37.58 ATOM 249 CA GLU A 49 11.239 22.981 31.375 1.000 36.93 ATOM 249 CA GLU A 49 11.243 22.983 33.390 1.000 36.55 ATOM 250 CB GLU A 49 11.239 22.953 33.390 1.000 65.15 ATOM 251 CG GLU A 49 10.772 21.031 34.704 1.000 61.85 ATOM 252 CD GLU A 49 10.722 21.031 34.704 1.000 61.85 ATOM 253 OE1 GLU A 49 10.722 21.031 34.704 1.000 65.15 ATOM 254 OE2 GLU A 49 9.047 22.220 33.926 1.000 85.66 ATOM 255 C GLU A 49 9.047 22.220 33.926 1.000 85.66 ATOM 257 N GLU A 49 9.884 21.429 29.488 1.000 45.25 ATOM 258 CA GLU A 50 11.897 21.219 27.536 1.000 34.88											51.00
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ATOM 242 CZ TYR A 48 12.153 16.179 34.738 1.000 35.24 ATOM 243 OH TYR A 48 11.285 15.269 35.288 1.000 36.83 ATOM 244 CE2 TYR A 48 12.098 17.506 35.108 1.000 34.92 ATOM 245 CD2 TYR A 48 12.983 18.405 34.535 1.000 38.27 ATOM 246 C TYR A 48 13.112 19.774 31.382 1.000 42.44 ATOM 247 O TYR A 48 12.227 18.943 31.170 1.000 37.58 ATOM 248 N GLU A 49 12.839 21.077 31.488 1.000 34.93 ATOM 249 CA GLU A 49 11.443 21.484 31.313 1.000 36.05 ATOM 250 CB GLU A 49 11.210 22.881 31.875 1.000 45.26 ATOM 251 CG GLU A 49 11.239 22.953 33.390 1.000 56.89 ATOM 252 CD GLU A 49 10.271 21.998 34.053 1.000 65.15 ATOM 253 OE1 GLU A 49 10.722 21.031 34.704 1.000 61.85 ATOM 254 OE2 GLU A 49 9.047 22.220 33.926 1.000 85.66 ATOM 255 C GLU A 49 9.047 22.220 33.926 1.000 85.66 ATOM 256 O GLU A 49 9.884 21.429 29.488 1.000 45.25 ATOM 257 N GLU A 50 11.897 21.219 27.536 1.000 34.88 ATOM 258 CA GLU A 50 11.897 21.219 27.536 1.000 34.15	ATOM	240	CD1	TYR	Α	48	13.950	16.650	33.247	1.000	34.64
ATOM 243 OH TYR A 48 11.285 15.269 35.288 1.000 36.83 ATOM 244 CE2 TYR A 48 12.098 17.506 35.108 1.000 34.92 ATOM 245 CD2 TYR A 48 12.983 18.405 34.535 1.000 38.27 ATOM 246 C TYR A 48 13.112 19.774 31.382 1.000 42.44 ATOM 247 O TYR A 48 12.227 18.943 31.170 1.000 37.58 ATOM 248 N GLU A 49 12.839 21.077 31.488 1.000 34.93 ATOM 249 CA GLU A 49 11.443 21.484 31.313 1.000 36.05 ATOM 250 CB GLU A 49 11.210 22.881 31.875 1.000 45.26 ATOM 251 CG GLU A 49 11.239 22.953 33.390 1.000 56.89 ATOM 252 CD GLU A 49 10.271 21.998 34.053 1.000 65.15 ATOM 253 OE1 GLU A 49 10.722 21.031 34.704 1.000 61.85 ATOM 255 C GLU A 49 9.047 22.220 33.926 1.000 85.66 ATOM 255 C GLU A 49 9.047 22.220 33.926 1.000 85.66 ATOM 255 C GLU A 49 9.884 21.429 29.488 1.000 45.25 ATOM 257 N GLU A 50 12.071 21.304 28.972 1.000 34.88 ATOM 258 CA GLU A 50 11.897 21.219 27.536 1.000 34.15	MOTA	241	CE1	TYR	A	48	13.073	15.745	33.809	1.000	36.45
ATOM 244 CE2 TYR A 48 12.098 17.506 35.108 1.000 34.92 ATOM 245 CD2 TYR A 48 12.983 18.405 34.535 1.000 38.27 ATOM 246 C TYR A 48 13.112 19.774 31.382 1.000 42.44 ATOM 247 O TYR A 48 12.227 18.943 31.170 1.000 37.58 ATOM 248 N GLU A 49 12.839 21.077 31.488 1.000 34.93 ATOM 249 CA GLU A 49 11.443 21.484 31.313 1.000 36.05 ATOM 250 CB GLU A 49 11.210 22.881 31.875 1.000 45.26 ATOM 251 CG GLU A 49 11.239 22.953 33.390 1.000 56.89 ATOM 252 CD GLU A 49 10.271 21.998 34.053 1.000 65.15 ATOM 253 OE1 GLU A 49 10.722 21.031 34.704 1.000 61.85 ATOM 254 OE2 GLU A 49 9.047 22.220 33.926 1.000 85.66 ATOM 255 C GLU A 49 9.047 22.220 33.926 1.000 85.66 ATOM 256 O GLU A 49 9.884 21.429 29.488 1.000 45.25 ATOM 257 N GLU A 50 12.071 21.304 28.972 1.000 34.88 ATOM 258 CA GLU A 50 11.897 21.219 27.536 1.000 34.15	ATOM	242	CZ	TYR	A	48	12.153	16.179	34.738	1.000	35.24
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ATOM 245 CD2 TYR A 48 12.983 18.405 34.535 1.000 38.27 ATOM 246 C TYR A 48 13.112 19.774 31.382 1.000 42.44 ATOM 247 O TYR A 48 12.227 18.943 31.170 1.000 37.58 ATOM 248 N GLU A 49 12.839 21.077 31.488 1.000 34.93 ATOM 249 CA GLU A 49 11.443 21.484 31.313 1.000 36.05 ATOM 250 CB GLU A 49 11.210 22.881 31.875 1.000 45.26 ATOM 251 CG GLU A 49 11.239 22.953 33.390 1.000 56.89 ATOM 252 CD GLU A 49 10.271 21.998 34.053 1.000 65.15 ATOM 253 OE1 GLU A 49 10.722 21.031 34.704 1.000 61.85 ATOM 255 C GLU A 49 9.047 22.220 33.926 1.000 85.66 ATOM 255 C GLU A 49 9.047 22.220 33.926 1.000 85.66 ATOM 255 C GLU A 49 9.047 22.220 33.926 1.000 40.11 ATOM 256 O GLU A 49 9.884 21.429 29.488 1.000 45.25 ATOM 257 N GLU A 50 12.071 21.304 28.972 1.000 34.88 ATOM 258 CA GLU A 50 11.897 21.219 27.536 1.000 34.15			CE2				12.098		35.108	1.000	34.92
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ATOM 247 O TYR A 48 12.227 18.943 31.170 1.000 37.58 ATOM 248 N GLU A 49 12.839 21.077 31.488 1.000 34.93 ATOM 249 CA GLU A 49 11.443 21.484 31.313 1.000 36.05 ATOM 250 CB GLU A 49 11.210 22.881 31.875 1.000 45.26 ATOM 251 CG GLU A 49 11.239 22.953 33.390 1.000 56.89 ATOM 252 CD GLU A 49 10.271 21.998 34.053 1.000 65.15 ATOM 253 OE1 GLU A 49 10.722 21.031 34.704 1.000 61.85 ATOM 254 OE2 GLU A 49 9.047 22.220 33.926 1.000 85.66 ATOM 255 C GLU A 49 9.047 22.220 33.926 1.000 85.66 ATOM 256 O GLU A 49 9.884 21.429 29.488 1.000 45.25 ATOM 257 N GLU A 50 12.071 21.304 28.972 1.000 34.88 ATOM 258 CA GLU A 50 11.897 21.219 27.536 1.000 34.15											
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ATOM 258 CA GLU A 50 11.897 21.219 27.536 1.000 34.15	MOTA		0	GLU	Α						
	ATOM	257	N	GLU	Α	50					
ATOM 259 CB GLU A 50 13.225 21.224 26.784 1.000 47.42	MOTA	258	CA	GLU	Α	50	11.897		27.536	1.000	34.15
	MOTA	259	CB	GLU	Α	50	13.225	21.224	26.784	1.000	47.42

FIGURE 11

ATOM	260	CG	GLU	A	50	14.193	22.357	27.039		
MOTA	261	CD	GLU	Α	50	15.395	22.299	26.111	1.000	72.71
ATOM	262	OE1	GLU	Α	50	15.705	21.201	25.592	1.000	84.88
ATOM	263	OE2	GLU	Α	50	16.034	23.355	25.892	1.000	89.36
ATOM	264	С	GLU	Α	50	11.172	19.927	27.145	1.000	41.10
ATOM	265	0	GLU	Α	50	10.637	19.814	26.042	1.000	48.55
ATOM	266	N	LEU		51	11.214	18.984	28.077	1.000	37.69
ATOM	267	CA	LEU		51	10.671	17.650	27.907	1.000	34.93
					51	11.632	16.647	28.554	1.000	32.69
ATOM	268	CB	LEU							
ATOM	269	CG	LEU		51	12.990	16.479	27.869	1.000	
ATOM	270	CD1	LEU		51	14.003	15.896	28.837	1.000	30.09
ATOM	271	CD2			51	12.860	15.598	26.636		25.80
ATOM	272	С	LEU		51	9.286	17.512	28.523	1.000	39.93
ATOM	273	0	LEU	Α	51	8.633	16.483	28.348	1.000	32.60
ATOM	274	N	LYS	Α	52	8.856	18.542	29.242	1.000	35.85
ATOM	275	CA	LYS	Α	52	7.628	18.496	30.017	1.000	43.68
ATOM	276	CB	LYS	Α	52	7.282	19.881	30.584	1.000	49.99
ATOM	277	CG	LYS	А	52	5.828	20.014	31.009	1.000	50.93
ATOM	278	CD	LYS		52	5.552	21.383	31.613	1.000	54.40
ATOM	279	CE	LYS		52	4.187	21.908	31.183	1.000	52.01
ATOM	280	NZ	LYS		52	4.061	23.372	31.421	1.000	52.88
MOTA	281	C	LYS		52	6.440	17.978	29.211	1.000	41.72
	282	0	LYS		52	5.749	17.087		1.000	40.74
ATOM					53	6.241	18.521		1.000	35.76
ATOM	283	N	ASP							
MOTA	284	CA	ASP		53	5.074	18.259		1.000	33.00
ATOM	285	CB	ASP		53	4.640	19.524	26.440	1.000	35.62
ATOM	286	CG	ASP		53	4.134	20.637	27.333	1.000	39.83
ATOM	287		ASP		53	4.039	21.790	26.856	1.000	41.69
ATOM	288	OD2	ASP		53	3.834	20.393	28.518	1.000	48.93
ATOM	289	С	ASP	Α	53	5.283	17.142	26.177	1.000	29.06
ATOM	290	0	ASP	Α	53	4.349	16.827	25.426	1.000	22.95
ATOM	291	N	VAL	A	54	6.459	16.533	26.120	1.000	26.91
ATOM	292	CA	VAL	Α	54	6.661	15.454	25.148	1.000	23.54
ATOM	293	СВ	VAL	Α	54	8.059	14.818	25.272	1.000	30.36
ATOM	294	CG1	VAL		54	8.120	13.547	24.435	1.000	21.06
ATOM	295		VAL		54	9.154	15.791	24.855		31.51
ATOM	296	C	VAL		54	5.617	14.348	25.309	1.000	
ATOM	297	0	VAL		54	5.350	13.848		1.000	
ATOM	298	N	GLY		55	5.015	13.988		1.000	
	299				55	4.021	12.953	24.163		
ATOM		CA	GLY					24.816		
MOTA	300	C	GLY		55	2.731	13.216			
ATOM	301	0	GLY		55	1.917	12.289	24.916		
ATOM	302	N	ARG		56	2.535	14.432	25.331		
ATOM	303	CA	ARG	A	56	1.351	14.736	26.122		
MOTA	304	CB	ARG		56	1.587	15.960	27.020		
ATOM	305	CG	ARG	Α	56	2.477	15.672	28.222		
ATOM	306	CD	ARG	Α	56	1.970	14.486	29.030		
MOTA	307	NE	ARG	Α	56	2.866	14.160	30.136	1.000	39.70
ATOM	308	CZ	ARG		56	2.724	14.463	31.417	1.000	41.60
ATOM	309		ARG		56	1.683	15.139	31.879		
ATOM	310		ARG		56	3.650	14.082	32.292		
ATOM	311	C	ARG		56	0.123	14.966	25.250		
111 011	J 1 1	$\smile$				0.120	_ 1.500			

FIGURE 12

MOTA	312	0	ARG	Α	56	-0.957	15.301	25.741		
MOTA	313	N	ASN	A	57	0.258	14.781	23.944	1.000	24.28
ATOM	314	CA	ASN	Α	57	-0.895	14.909	23.064	1.000	33.49
ATOM	315	CB	ASN	A	57	-0.474	15.189	21.611	1.000	33.93
MOTA	316	CG	ASN	Α	57	0.605	14.218	21.162	1.000	35.19
ATOM	317	OD1	ASN	А	57	1.492	13.907	21.957	1.000	42.76
ATOM	318		ASN		57	0.547	13.751	19.918	1.000	35.98
MOTA	319	С	ASN		57	-1.720	13.635	23.056	1.000	35.77
ATOM	320	0	ASN		57	-2.865	13.607	22.617	1.000	32.52
ATOM	321	N	GLN		58	-1.139	12.529	23.521	1.000	35.76
ATOM	322	CA	GLN		58	-1.864	11.271		1.000	30.59
ATOM	323	CB	GLN		58	-0.851	10.129	23.178	1.000	29.64
	324	CG	GLN		58	0.201	10.442	22.108	1.000	
ATOM					58	1.406	9.527	22.230	1.000	31.92
ATOM	325	CD OF1	GLN						1.000	40.11
ATOM	326	OE1	GLN		58	2.330	9.754	23.023		
ATOM	327	NE2	GLN		58	1.386	8.474	21.427	1.000	22.80 26.57
ATOM	328	С	GLN		58	-2.899	11.017			
ATOM	329	0	GLN		58	-2.814	11.505		1.000	
ATOM	330	N	SER		59	-3.895	10.232		1.000	21.64
ATOM	331	CA	SER		59	-5.004	9.889		1.000	21.49
ATOM	332	CB	SER		59	-6.312	9.936	24.060	1.000	23.13
MOTA	333	OG	SER	Α	59	-6.423	8.760	23.266	1.000	50.75
MOTA	334	С	SER	А	59	-4.832	8.495	25.465	1.000	27.34
ATOM	335	0	SER	Α	59	-4.113	7.652	24.915	1.000	28.20
MOTA	336	N	CYS	Α	60	-5.510	8.289	26.585	1.000	21.68
ATOM	337	CA	CYS	Α	60	-5.566	7.030	27.307	1.000	19.90
ATOM	338	CB	CYS	Α	60	-4.841	7.171	28.645	1.000	31.73
MOTA	339	SG	CYS	A	60	-3.240	8.002	28.554	1.000	43.81
ATOM	340	С	CYS	Α	60	-7.008	6.595	27.556	1.000	22.77
ATOM	341	0	CYS		60	-7.341	6.204	28.678	1.000	20.42
ATOM	342	N	ASP		61	-7.852	6.663	26.540	1.000	21.77
ATOM	343	CA	ASP		61	-9.266	6.323		1.000	30.03
ATOM	344	СВ	ASP		61	-9.915	6.527		1.000	35.37
ATOM	345	CG	ASP		61	-9.894	7.936		1.000	32.99
ATOM	346		ASP		61	-9.618	8.909		1.000	42.37
ATOM	347		ASP		61	-10.171	8.083		1.000	42.70
ATOM	348	C	ASP		61	-9.529	4.890		1.000	31.27
ATOM	349	0	ASP		61	-10.375	4.669		1.000	26.07
ATOM	350	N	ILE		62	-8.840	3.896		1.000	33.57
				_	62	-9.017	2.497	26.889		
ATOM	351	CA	ILE		62	-8.021	1.572	26.166		
ATOM	352	CB	ILE			-7.987		24.650		
ATOM	353	CG1			62		1.728			
ATOM	354		ILE		62	-9.326	1.502	23.982		
ATOM	355		ILE		62	-8.284	0.124	26.574		
ATOM	356	С	ILE		62	-8.822	2.256	28.381		
ATOM	357	0	ILE		62	-9.608	1.599	29.071		
ATOM	358	N	ALA		63	-7.724	2.812	28.896		
MOTA	359	CA	ALA		63	-7.448	2.650	30.321		
ATOM	360	CB	ALA		63	-6.138	3.336	30.687		
MOTA	361	С	ALA		63	-8.585	3.208	31.168		
MOTA	362	0	ALA	Α	63	-8.795	2.776	32.302		
ATOM	363	N	LEU	Α	64	-9.309	4.183	30.622	1.000	29.54

FIGURE 13

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ATOM	364	CA	LEU		64	-10.325	4.890	31.389		
MOTA	365	CB	LEU		64	-10.486	6.331	30.884		
ATOM	366	CG	LEU		64	-9.333	7.259	31.283		
MOTA	367	CD1			64	-9.308	8.494	30.399		
MOTA	368	CD2	LEU		64	-9.456	7.608	32.760		
ATOM	369	С	LEU	Α	64	-11.663	4.180	31.315		
ATOM	370	0	LEU	A	64	-12.640	4.639	31.902		
MOTA	371	N	LEU	Α	65	-11.712	3.063	30.594		
ATOM	372	CA	LEU	A	65	-13.005	2.371	30.555	1.000	
ATOM	373	CB	LEU	Α	65	-12.934	1.238	29.534	1.000	26.20
MOTA	374	CG	LEU	Α	65	-12.633	1.726	28.112	1.000	32.04
ATOM	375	CD1	LEU		65	-12.556	0.568	27.137	1.000	26.24
ATOM	376	CD2	LEU		65	-13.692	2.740	27.692	1.000	42.91
ATOM	377	С	LEU		65	-13.380	1.876	31.948	1.000	36.19
ATOM	378	0	LEU		65	-12.506	1.424	32.690	1.000	34.08
ATOM	379	N	PRO		66	-14.658	1.985	32.302		38.51
ATOM	380	CA	PRO		66	-15.156	1.575	33.618	1.000	
ATOM	381	CB	PRO		66	-16.682	1.595	33.438		
	382	CG	PRO		66	-16.895	2.654	32.411		
ATOM	383	CD	PRO		66	-15.733	2.545	31.463		
ATOM					66	-14.718	0.173	34.026		
ATOM	384	C	PRO				-0.049	35.171		
ATOM	385	0	PRO		66	-14.329	-0.764	33.090		
ATOM	386	N	GLU		67	-14.780				36.99
ATOM	387	CA	GLU		67	-14.412	-2.143	32.170		
MOTA	388	CB	GLU		67	-14.780	-3.022			
ATOM	389	CG	GLU		67	-13.872	-2.765	30.975		
ATOM	390	CD	GLU		67	-14.478	-3.329	29.706		
MOTA	391	OE1	GLU		67	-15.190	-4.351	29.789		
MOTA	392	OE2	GLU		67	-14.229	-2.750	28.629	1.000	
ATOM	393	С	GLU		67	-12.929	-2.311		1.000	
MOTA	394	0	GLU		67	-12.555	-3.306	34.309		
ATOM	395	N	ASN		68	-12.105	-1.357	33.266		
ATOM	396	CA	ASN	Α	68	-10.668	-1.381	33.488		
MOTA	397	CB	ASN	Α	68	-9.938	-0.853	32.244		
ATOM	398	CG	ASN		68	-10.071	-1.799	31.070		
ATOM	399	OD1	ASN	Α	68	-10.219	-3.004	31.263	1.000	
ATOM	400	ND2	ASN	Α	68	-10.021	-1.271		1.000	
ATOM	401	С	ASN	Α	68	-10.240	-0.570	34.706		
ATOM	402	0	ASN	Α	68	-9.074	-0.612	35.110		
MOTA	403	N	ARG	A	69	-11.151	0.170	35.325	1.000	40.53
ATOM	404	CA	ARG		69	-10.796	1.005	36.475	1.000	35.31
MOTA	405	CB	ARG		69	-12.060	1.688	36.993	1.000	47.65
ATOM	406	CG	ARG		69	-11.878	3.089	37.547	1.000	59.36
ATOM	407	CD	ARG		69	-12.710	3.262	38.819		
ATOM	408	NE	ARG		69	-12.615	2.076	39.666		
ATOM	409	CZ	ARG		69	-13.019	1.980	40.923		
ATOM	410		ARG		69	-13.586	3.018	41.542		
ATOM	411		ARG		69	-12.880	0.832	41.575		
ATOM	412	C	ARG		69	-10.114	0.205	37.572		
ATOM	413	0	ARG		69	-9.102	0.634	38.135		
	413	N	GLY		70	-10.641	-0.976	37.890		
ATOM		CA			70	-10.030	-1.844	38.877		
ATOM	415	CA	GLY	ų	, 0	10.000	T.044	30.077	1.000	_,,,,

FIGURE 14

ATOM	416	C	GLY		70	-8.645	-2.304			33.87
ATOM	417	0	GLY		70	-7.861	-2.788	39.293		
ATOM	418	N	LYS		71	-8.269	-2.166	37.200		
ATOM	419	CA	LYS		71	-6.975	-2.730	36.805		
ATOM	420	CB	LYS		71	-7.145	-3.327	35.403		
ATOM	421	CG	LYS		71	-8.206	-4.431	35.340		22.84
ATOM	422	CD	LYS		71	-8.540	-4.715	33.880		25.18
ATOM	423	CE	LYS		71	-9.766	-5.603	33.744		26.92
ATOM	424	ΝZ	LYS		71	-10.179	-5.703	32.310		25.36
ATOM	425	С	LYS		71	-5.825	-1.737	36.871		
ATOM	426	0	LYS		71	-4.670	-2.046	36.565		
ATOM	427	N	ASN		72	-6.078	-0.506	37.292		
ATOM	428	CA	ASN		72	-5.019	0.485	37.438		
ATOM	429	CB	ASN		72	-5.431	1.802	36.760		
ATOM	430	CG	ASN		72	-5.773	1.557	35.299		20.67
ATOM	431		ASN		72	-4.968	1.023	34.534		19.13
ATOM	432	ND2			72	-6.981	1.935	34.901		22.56
ATOM	433	С	ASN		72	-4.691	0.708	38.904		22.55
ATOM	434	0	ASN		72	-5.548	0.952	39.747		27.49
ATOM	435	N	ARG		73	-3.410	0.626	39.238	1.000	24.79
ATOM	436	CA	ARG	A	73	-2.989	0.857	40.612		22.71
ATOM	437	CB	ARG		73	-1.523	0.471	40.761		
MOTA	438	CG	ARG		73	-1.003	0.559	42.185		20.59
MOTA	439	CD	ARG		73	0.456	0.114	42.254		16.95
ATOM	440	NE	ARG	Α	73	0.546	-1.347	42.281	1.000	17.30
ATOM	441	CZ	ARG	Α	73	0.282	-2.041	43.387	1.000	28.69
ATOM	442	NH1	ARG		73	-0.073	-1.406	44.500	1.000	20.46
ATOM	443	NH2			73	0.372	-3.371	43.383	1.000	
ATOM	444	С	ARG		73	-3.227	2.314	40.990		
ATOM	445	0	ARG		73	-3.731	2.609	42.070	1.000	
ATOM	446	N	TYR		74	-2.864	3.229	40.095		22.89
ATOM	447	CA	TYR		74	-3.188	4.640	40.292	1.000	19.10
ATOM	448	CB	TYR		74	-1.941	5.487	40.496		29.90
ATOM	449	CG	TYR		74	-0.889	4.936	41.434		28.85
ATOM	450	CD1	TYR		74	-0.948	5.169	42.802		29.68
ATOM	451	CE1	TYR		74	0.019	4.668	43.655		32.91
ATOM	452	CZ	TYR		74	1.064	3.920	43.146		32.73
ATOM	453	OH	TYR		74	2.029	3.415	43.989	1.000	
ATOM	454	CE2	TYR		74	1.156	3.672	41.791		20.37
ATOM	455	CD2	TYR		74	0.182	4.186	40.957		
ATOM	456	С	TYR		74	-4.007	5.110	39.095	1.000	33.71
ATOM	457	0	TYR		74	-3.753	4.819	37.920		
ATOM	458	N	ASN.		75	-5.062	5.861	39.410		
ATOM	459	CA	ASN.		75	-6.019	6.213	38.358		
ATOM	460	CB	ASN.		75	-7.389	6.458	39.014		
ATOM	461	CG	ASN .		75	-7.716	5.300	39.947		
MOTA	462		ASN .		75	-7.925	5.491	41.144		68.26
ATOM	463	ND2	ASN .	A	75	-7.745	4.087	39.403		39.56
ATOM	464	С	ASN .		75	-5.533	7.385	37.534		
ATOM	465	0	ASN .		75	-6.101	7.736	36.497		
ATOM	466	N	ASN .		76	-4.440	8.015	37.962		
ATOM	467	CA	ASN .	A	76	-3.897	9.102	37.150	1.000	28.13

ATOM	468	CB	ASN	Α	76	-3.719	10.374	37.979		
MOTA	469	CG	ASN	Α	76	-2.648	10.200	39.041	1.000	28.93
ATOM	470	OD1	ASN	Α	76	-2.497	9.101	39.573	1.000	29.34
ATOM	471	ND2	ASN	Α	76	-1.937	11.284	39.321	1.000	29.63
ATOM	472	С	ASN	Α	76	-2.570	8.694	36.526	1.000	29.10
ATOM	473	0	ASN		76	-1.851	9.557	36.015	1.000	33.33
MOTA	474	N	ILE		77	-2.273	7.392		1.000	24.17
ATOM	475	CA	ILE		77	-1.095	6.908		1.000	23.94
MOTA	476	CB	ILE		77	0.024	6.496		1.000	
ATOM	477	CG1	ILE		77	0.575	7.663		1.000	
	478	CD1	ILE		77	1.451	7.212	38.776		35.26
ATOM		CG2	ILE		77	1.137	5.798	36.041		
ATOM	479				77	-1.457	5.760		1.000	22.75
ATOM	480	C	ILE							17.56
MOTA	481	0	ILE		77	-1.618	4.597	33.621		16.56
ATOM	482	N	LEU		78	-1.605	6.108			12.89
ATOM	483	CA	LEU		78	-2.172	5.202	32.641		
ATOM	484	СВ	LEU		78	-3.616	5.616	32.310		17.17
ATOM	485	CG	LEU		78	-4.457	6.017	33.522		
MOTA	486		LEU		78	-5.794	6.590	33.075		
ATOM	487	CD2	LEU		78	-4.637	4.813	34.431		17.32
MOTA	488	С	LEU	Α	78	-1.415	5.213	31.326		17.93
ATOM	489	0	LEU	А	78	-0.846	6.221	30.922		18.95
ATOM	490	N	PRO	Α	79	-1.459	4.086	30.640		
ATOM	491	CA	PRO	Α	79	-0.773	3.971			18.86
ATOM	492	CB	PRO	Α	79	-0.858	2.470	29.068	1.000	18.12
ATOM	493	CG	PRO	Α	79	-2.148	2.076	29.721	1.000	21.28
ATOM	494	CD	PRO	Α	79	-2.184	2.858	31.011	1.000	17.43
ATOM	495	С	PRO	Α	79	-1.532	4.694	28.253	1.000	19.81
ATOM	496	0	PRO	Α	79	-2.761	4.633	28.249	1.000	19.07
ATOM	497	N	TYR		80	-0.784	5.317	27.355	1.000	16.14
ATOM	498	CA	TYR		80	-1.338	5.843	26.117	1.000	15.09
ATOM	499	СВ	TYR		80	-0.216	6.508	25.313	1.000	20.99
MOTA	500	CG	TYR		80	0.350	7.734	25.993	1.000	20.29
ATOM	501	CD1	TYR		80	-0.494	8.670		1.000	
ATOM	502	CE1	TYR		80	0.019	9.796	27.206	1.000	20.96
ATOM	503	CZ	TYR		80	1.385	9.986		1.000	21.66
ATOM	504	ОН	TYR		80	1.903	11.103	27.859		23.51
ATOM	505	CE2	TYR		80	2.239	9.071			18.25
ATOM	506	CD2	TYR		80	1.722	7.946		1.000	
ATOM	507	C	TYR		80	-1.988	4.755			
						-1.471	3.635	25.187		
ATOM	508	0	TYR		80	-3.125	5.040	24.637		
ATOM	509	N GT	ASP		81			23.780		
ATOM	510	CA	ASP		81	-3.735	4.027	23.700		
ATOM	511	CB	ASP		81	-5.033	4.518			
ATOM	512	CG	ASP		81	-6.080	4.908	24.143		
ATOM	513		ASP		81	-6.296	4.128	25.094		
MOTA	514		ASP		81	-6.688	5.992	24.010		
ATOM	515	С	ASP		81	-2.769	3.610	22.678		
ATOM	516	0	ASP		81	-2.722	2.439	22.278		
ATOM	517	N	ALA		82	-2.002	4.573	22.161		
ATOM	518	CA	ALA	A	82	-1.164	4.229	21.008		
MOTA	519	CB	ALA	A	82	-0.654	5.520	20.373	1.000	25.83

ATOM	520	С	ALA		82		.010	3.300	21.338		
ATOM	521	0	ALA		82		.556	2.660	20.439		
MOTA	522	N	THR		83		.447	3.140	22.584	1.000	19.03
MOTA	523	CA	THR	Α	83	1	.625	2.280	22.757	1.000	14.68
ATOM	524	СВ	THR	Α	83	2	.853	3.095	23.225	1.000	22.79
MOTA	525	OG1	THR	Α	83	2	.464	3.852	24.374	1.000	18.61
ATOM	526	CG2	THR	Α	83	3	.308	4.096	22.168	1.000	17.97
ATOM	527	С	THR	A	83	1	.412	1.199	23.799	1.000	22.48
ATOM	528	0	THR	Α	83	2	.380	0.580	24.254	1.000	20.29
ATOM	529	N	ARG		84	0	.144	1.005	24.159	1.000	18.73
ATOM	530	CA	ARG		84		.176	0.106	25.257		22.92
ATOM	531	СВ	ARG		84		.621	0.347	25.683		27.10
ATOM	532	CG	ARG		84		.650	-0.247	24.721	1.000	21.68
ATOM	533	CD	ARG		84		.047	0.092	25.236		25.76
ATOM	534	NE	ARG		84		.071	-0.515	24.395		31.14
ATOM	535	CZ	ARG		84		.698	-1.652	24.648		28.06
ATOM	536	NH1	ARG		84		.426	-2.351	25.741		15.53
	537	NH2	ARG		84		.608	-2.073	23.781		24.30
ATOM								-1.353	24.874	1.000	
ATOM	538	С	ARG		84		.032				21.04
ATOM	539	0	ARG		84		.089	-1.712	23.702 25.856		14.13
ATOM	540	N	VAL		85		.337	-2.204			14.13
ATOM	541	CA	VAL		85		.491	-3.624	25.512		
ATOM	542	CB	VAL		85		.464	-4.344	26.455	1.000	9.78
ATOM	543	CG1	VAL		85		.425	-5.848	26.218	1.000	
MOTA	544	CG2	VAL		85		.881	-3.814	26.306		12.51
MOTA	545	С	VAL		85		.863	-4.313	25.593		24.23
ATOM	546	0	VAL		85		.573	-4.163	26.594	1.000	
ATOM	547	N	LYS		86		.270	-5.081	24.590	1.000	
MOTA	548	CA	LYS		86		.572	-5.741	24.686		22.12
ATOM	549	CB	LYS		86		.307	-5.564	23.347	1.000	31.33
MOTA	550	CG	LYS	Α	86	-3	.256	-4.147	22.803	1.000	
MOTA	551	CD	LYS	Α	86	-3	.691	-4.077	21.352		
MOTA	552	CE	LYS	Α	86	-4	.193	-2.688	20.990	1.000	43.70
MOTA	553	NZ	LYS	Α	86	-4	.520	-2.549	19.542	1.000	37.64
ATOM	554	С	LYS	Α	86	-2	.483	-7.222	25.020	1.000	24.22
ATOM	555	0	LYS	Α	86	-1	.658	-7.961	24.475	1.000	27.05
MOTA	556	N	LEU	Α	87	-3	.358	-7.682	25.911	1.000	23.05
ATOM	557	CA	LEU	Α	87	-3	.530	-9.107	26.143	1.000	23.37
ATOM	558	CB	LEU	Α	87	-4	.250	-9.392	27.460	1.000	
ATOM	559	CG	LEU	Α	87	-3	.733	-8.696	28.711	1.000	27.34
ATOM	560		LEU		87		.614	-9.032	29.904		
ATOM	561		LEU		87		.284	-9.078	28.973		
ATOM	562	С	LEU		87		.360	-9.720	25.020		
ATOM	563	0	LEU		87		.318	-9.094	24.555		
ATOM	564	N	SER		88			-10.925	24.581		33.75
ATOM	565	CA	SER		88			-11.557	23.567		
ATOM	566	CB	SER		88			-12.913	23.154		
ATOM	567	OG	SER		88			-13.947	24.014		
ATOM	568	C	SER		88			-11.680	24.113		
ATOM	569	0	SER		88			-11.777	25.325		40.47
ATOM	570	N	ASN		89			-11.656	23.225		
ATOM	571	CA	ASN		89			-11.790	23.586		
ATON	311	CA	MUIN	-1		0			23.500	1.000	

ATOM	572	CB	ASN A			1.000 75.26
ATOM	573	CG	ASN A		-8.793 -11.244 21.163	
ATOM	574		. ASN A		-7.806 -10.546 20.946	
ATOM	575		ASN A		<b>-</b> 9.271 <b>-</b> 12.122 20.293	
ATOM	576	С	ASN A		<b>-</b> 9.057 <b>-</b> 13.256 23.738	
ATOM	577	0	ASN A	89	-8.808 -14.039 22.811	1.000 73.71
ATOM	578	N	VAL A	90	-9.633 -13.639 24.875	1.000 87.92
ATOM	579	CA	VAL A	90	-9.929 <b>-</b> 15.052 25.128	1.000 94.68
ATOM	580	CB	VAL A	90	-8.920 -15.629 26.140	1.000 89.31
ATOM	581	CG1	VAL A	90	-7.494 -15.497 25.590	1.000 54.27
ATOM	582	CG2	VAL A	90	-9.031 -14.923 27.491	1.000100.28
ATOM	583	С	VAL A	90	-11.354 -15.293 25.619	
ATOM	584	0	VAL A	90	-12.315 -14.798 25.014	
ATOM	585	N	ASP A	91		1.000105.22
ATOM	586	CA	ASP A	91	-12.783 -16.447 27.271	
ATOM	587	СВ	ASP A	91		1.000107.42
ATOM	588	CG	ASP A	91	-13.530 -18.205 28.939	
ATOM	589		ASP A	91	-13.926 -18.900 27.974	
ATOM	590	OD2		91		1.000115.01
ATOM	591	C	ASP A	91	-13.743 -15.268 27.371	
ATOM	592	0	ASP A	91	-13.390 -14.223 27.924	
ATOM	593	N	ASP A	92	-14.952 -15.429 26.834	
ATOM	594	CA	ASP A	92	-15.914 -14.333 26.741	
ATOM	595	CB	ASP A	92		1.000110.30
ATOM	596	CG	ASP A	92		1.000111.11
ATOM	597	OD1		92		
ATOM	598	OD1		92		1.000 70.91
ATOM	599	C		92		1.000105.06
			ASP A		-15.224 -13.122 26.103	1.000121.44
ATOM	600	O N	ASP A	92	-14.846 -13.211 24.935	1.000119.15
ATOM	601	N	ASP A	93	-15.077 -12.068 26.886	
ATOM	602	CA	ASP A	93	-14.260 -10.887 26.698	1.000127.04
ATOM	603	CB	ASP A	93	-13.201 -11.126 25.615	1.000127.70
ATOM	604	CG	ASP A	93		1.000128.89
ATOM	605	OD1		93		1.000136.07
MOTA	606		ASP A	93		1.000126.93
ATOM	607	C	ASP A	93		1.000125.66
ATOM	608	0	ASP A	93		1.000112.27
ATOM	609	N	PRO A	94		1.000123.81
ATOM	610	CA	PRO A	94		1.000114.77
ATOM	611	CB	PRO A	94		1.000118.39
ATOM	612	CG	PRO A	94		1.000121.09
ATOM	613	CD	PRO A	94		1.000123.81
ATOM	614	С	PRO A	94		1.000 99.08
ATOM	615	0	PRO A	94		1.000 69.91
ATOM	616	N	CYS A	95		1.000 91.61
ATOM	617	CA	CYS A	95		1.000 80.21
ATOM	618	CB	CYS A	95		1.000 80.05
ATOM	619	SG	CYS A	95	-10.319 -3.186 27.438	1.000 75.64
MOTA	620	С	CYS A	95	-10.991 -6.285 28.303	1.000 67.30
ATOM	621	0	CYS A	95		1.000 48.15
MOTA	622	N	SER A	96		1.000 62.04
MOTA	623	CA	SER A	96	-10.102 -8.548 28.645	1.000 49.24

ATOM	624	CB	SER	Α	96	-10.	644	-9.959	28.392	1.000	47.34
ATOM	625	OG	SER	Α	96	-10.	772	-10.165	26.989	1.000	35.99
ATOM	626	С	SER	Α	96	-8.	689	-8.404	28.091	1.000	40.83
ATOM	627	0	SER	Α	96	-7.	762	-9.091	28.530	1.000	43.79
ATOM	628	N	ASP	Α	97	-8.	519	-7.503	27.119	1.000	
ATOM	629	CA	ASP				200	-7.260	26.543	1.000	26.97
ATOM	630	СВ	ASP				333	-6.817	25.088	1.000	24.79
ATOM	631	CG	ASP				611	-5.353	24.842	1.000	31.75
ATOM	632	OD1					973	-4.566	25.740	1.000	34.88
ATOM	633		ASP				473	-4.920	23.667		32.46
ATOM	634	C	ASP				406	-6.227	27.331	1.000	19.31
ATOM	635	0	ASP				239	-6.008	27.001	1.000	32.90
ATOM	636	N	TYR				001	-5.563	28.319	1.000	
	637										21.87
ATOM		CA	TYR				317	-4.446	28.958	1.000	24.52
ATOM	638	CB	TYR		98		294	-3.441	29.604		22.29
MOTA	639	CG	TYR		98		556	-2.288	30.277	1.000	
ATOM	640	CD1	TYR		98		012	-1.275	29.489		23.46
ATOM	641	CE1	TYR		98	-5.		-0.202	30.044	1.000	12.80
ATOM	642	CZ	TYR		98	-5.		-0.152	31.415	1.000	16.57
ATOM	643	ОН	TYR		98	-4.		0.900	32.001		20.04
ATOM	644	CE2	TYR		98	-5.		-1.138	32.234	1.000	21.65
ATOM	645	CD2	TYR		98	-6.		-2.192	31.652	1.000	
ATOM	646	С	TYR	Α	98	-5.	329	-4.852	30.045	1.000	23.39
ATOM	647	0	TYR	Α	98	-5.		-5.609	30.964	1.000	28.32
ATOM	648	N	ILE	Α	99	-4.	143	-4.250	29.978	1.000	19.82
ATOM	649	CA	ILE	Α	99	-3.	247	-4.242	31.130	1.000	21.08
ATOM	650	CB	ILE	Α	99	-2.	185	-5.354	31.091	1.000	21.45
ATOM	651	CG1	ILE	Α	99	-1.	169	-5.304	32.224	1.000	13.12
ATOM	652	CD1	ILE	Α	99	-0.	466	-6.601	32.573	1.000	15.73
ATOM	653	CG2	ILE	Α	99	-1.	481	-5.344	29.737	1.000	24.91
MOTA	654	С	ILE	Α	99	-2.	593	-2.867	31.218	1.000	17.86
ATOM	655	0	ILE	Α	99	-2.	362	-2.161	30.235	1.000	23.00
ATOM	656	N	ASN	Α	100	-2.	271	-2.426	32.429	1.000	17.97
ATOM	657	CA	ASN	Α	100	-1:	523	-1.168	32.506	1.000	16.53
ATOM	658	СВ	ASN	Α	100	-1.		-0.583	33.904	1.000	15.17
ATOM	659	CG	ASN		100	-1.		0.837	33.940	1.000	17.63
ATOM	660		ASN		100	-0.		1.081	33.409	1.000	19.68
ATOM	661		ASN		100	-1.		1.727		1.000	19.64
ATOM	662	C	ASN			-0.		-1.408			20.69
ATOM	663	0	ASN				784	-1.727	32.977		
ATOM	664	N	ALA				246	-1.268	30.851		11.73
ATOM	665	CA	ALA				586	-1.586	30.370		13.46
ATOM	666	CB	ALA				737	-3.096	30.235		16.17
ATOM	667	C	ALA				842	-0.930	29.026		14.30
ATOM	668	0	ALA				883	-0.739	28.277		
ATOM	669	N	SER				388	-0.603	28.708		15.61
											17.77
ATOM	670	CA	SER				385	0.102	27.472		18.13
ATOM	671	CB	SER				627	1.593	27.759		13.36
ATOM	672	OG	SER				735	2.076	28.738		
ATOM	673	C	SER				623	-0.444	26.786		
ATOM	674	0	SER				568	-0.832	27.475		
ATOM	675	N	TYR	А	TU3	4.6	639	-0.454	25.452	T.000	16.79

ATOM	676	CA	TYR	Α	103	5.871	-0.877	24.793		10.43
MOTA	677	CB	TYR	Α	103	5.619	-1.287	23.347	1.000	16.27
ATOM	678	CG	TYR	Α	103	4.840	-2.567	23.157	1.000	15.11
MOTA	679	CD1	TYR	Α	103	5.421	-3.802	23.412	1.000	18.80
ATOM	680	CE1	TYR	Α	103	4.704	-4.978	23.232	1.000	22.75
ATOM	681	CZ			103	3.396	-4.922	22.798	1.000	19.98
ATOM	682	OH			103	2.689	-6.094	22.625	1.000	16.85
ATOM	683	CE2			103	2.797	-3.704	22.536	1.000	14.29
ATOM	684	CD2			103	3.517	-2.540	22.714		12.99
	685	CDZ	TYR		103	6.847	0.293	24.853	1.000	19.42
ATOM					103			24.787		21.35
ATOM	686	0				6.398	1.440		1.000	
ATOM	687	N	ILE		104	8.143	0.039	24.983		20.28
ATOM	688	CA			104	9.090	1.151	25.068	1.000	18.75
ATOM	689	СВ			104	9.522	1.444	26.516	1.000	25.72
ATOM	690	CG1	ILE			8.372	1.673	27.507	1.000	19.54
ATOM	691	CD1	ILE			7.657	2.991	27.243	1.000	
ATOM	692	CG2	ILE			10.466	2.640	26.556	1.000	
MOTA	693	С	ILE	Α	104	10.321	0.843	24.229	1.000	18.91
ATOM	694	0	ILE	Α	104	10.899	-0.236	24.356	1.000	21.99
ATOM	695	N	PRO	Α	105	10.719	1.777	23.376	1.000	25.40
ATOM	696	CA	PRO	Α	105	11.854	1.513	22.482	1.000	23.49
ATOM	697	CB	PRO	Α	105	11.761	2.641	21.457	1.000	25.41
ATOM	698	CG	PRO	Α	105	11.030	3.747	22.133	1.000	26.30
ATOM	699	CD	PRO			10.166	3.121	23.187	1.000	
ATOM	700	C	PRO			13.165	1.602	23.249	1.000	
ATOM	701	0	PRO			13.255	2.321	24.246	1.000	19.70
ATOM	702	N	GLY			14.176	0.872	22.788	1.000	21.42
ATOM	703	CA	GLY			15.485	1.020	23.423	1.000	
ATOM	704	C	GLY			16.527	1.498	22.425	1.000	30.55
ATOM	705	0	GLY			16.222	2.089	21.395	1.000	20.21
	706	N	ASN			17.796	1.244	22.710	1.000	32.09
ATOM								21.850	1.000	26.56
ATOM	707	CA	ASN			18.884	1.677			
ATOM	708	CB	ASN			20.219	1.386	22.552	1.000	28.73
ATOM	709	CG	ASN			20.932	2.668	22.930	1.000	36.73
ATOM	710		ASN			20.436	3.454	23.736	1.000	67.71
MOTA	711		ASN			22.095	2.891	22.331		51.19
ATOM	712	С	ASN			18.828	0.985	20.497		33.29
ATOM	713	0	ASN		107	19.161	1.589	19.469	1.000	31.37
ATOM	714	N	ASN			18.394	-0.282	20.495	1.000	25.02
ATOM	715	CA	ASN			18.476	-1.030	19.241		
ATOM	716	CB	ASN	Α	108	19.377	-2.255	19.480		
ATOM	717	CG	ASN	Α	108	20.794	-1.843	19.847	1.000	47.25
ATOM	718	OD1	ASN	Α	108	21.555	-1.301	19.041	1.000	51.78
ATOM	719	ND2	ASN	Α	108	21.149	-2.103	21.097	1.000	32.89
ATOM	720	С	ASN	Α	108	17.157	-1.472	18.642	1.000	41.66
ATOM	721	0	ASN			17.148	-1.922		1.000	47.43
ATOM	722	N	PHE			16.007	-1.389	19.306		
ATOM	723	CA	PHE			14.782	-1.693	18.557		
ATOM	724	СВ	PHE			14.575	-3.179	18.334		
ATOM	725	CG	PHE			14.889	-4.154	19.423		
ATOM	726		PHE			13.866	-4.796	20.113		
ATOM	727		PHE			14.130	-5.705	21.121		
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ATOM	728	CZ	PHE	Α	109	15.442	-5.997	21.459	1.000	37.10
MOTA	729	CE2				16.469	-5.365	20.782	1.000	39.85
MOTA	730	CD2	PHE	A	109	16.198	-4.452	19.778		
ATOM	731	С	PHE	A	109	13.572	-1.059	19.243	1.000	30.59
MOTA	732	0	PHE	A	109	13.663	-0.571	20.375	1.000	28.48
ATOM	733	N	ARG	A	110	12.446	-1.068	18.531	1.000	21.36
ATOM	734	CA	ARG .	Α	110	11.262	-0.340	18.981	1.000	27.72
ATOM	735	CB	ARG .	A	110	10.239	-0.271	17.833	1.000	27.18
ATOM	736	CG	ARG .	Α	110	10.751	0.480	16.614	1.000	42.55
ATOM	737	CD	ARG .	A	110	10.188	1.893	16.543	1.000	49.91
ATOM	738	NE	ARG .	Α	110	11.080	2.835	17.214	1.000	61.23
ATOM	739	CZ	ARG .	Α	110	10.772	4.078	17.551	1.000	65.49
ATOM	740	NH1	ARG .	A	110	9.569	4.569	17.287	1.000	60.40
ATOM	741	NH2	ARG .	A	110	11.681	4.823	18.164	1.000	70.08
ATOM	742	С	ARG .	Α	110	10.581	-0.929	20.206	1.000	31.32
ATOM	743	0	ARG 2	A	110	10.063	-0.191	21.048	1.000	19.57
ATOM	744	N	ARG 2	A	111	10.536	-2.256	20.315	1.000	31.03
ATOM	745	CA	ARG I	A	111	9.825	-2.858	21.447	1.000	28.45
ATOM	746	CB	ARG 2	Ą	111	8.752	-3.826	20.971	1.000	24.30
ATOM	747	CG	ARG A	Ą	111	7.678	-3.274	20.054	1.000	26.60
ATOM	748	CD	ARG A	Ą	111	6.895	-4.443	19.432	1.000	26.88
MOTA	749	NE	ARG A	Ą	111	5.494	-4.083	19.259	1.000	39.04
MOTA	750	CZ	ARG A	Ą	111	4.427	-4.851	19.403	1.000	38.77
MOTA	751	NH1	ARG A	Ą	111	4.532	-6.128	19.745	1.000	39.25
MOTA	752	NH2	ARG A	A	111	3.226	-4.319	19.199	1.000	38.01
ATOM	753	С	ARG A	A	111	10.821	-3.575	22.352	1.000	27.13
ATOM	754	0	ARG A	F	111	10.716	-4.761	22.672	1.000	22.92
ATOM	755	N	GLU A	A	112	11.827	-2.801	22.753	1.000	24.46
MOTA	756	CA	GLU A	4	112	12.921	-3.388	23.527	1.000	20.04
ATOM	757	CB	GLU A	4	112	14.147	-2.484	23.425	1.000	26.41
ATOM	758	CG	GLU A	Ą	112	15.469	-3.181	23.658	1.000	27.73
ATOM	759	CD	GLU A	Ą	112	16.662	-2.423	23.112	1.000	26.53
MOTA	760	OE1	GLU A	Ą	112	17.767	-2.676	23.628	1.000	22.28
ATOM	761	OE2	GLU A	Ą	112	16.520	-1.592	22.191	1.000	24.96
ATOM	762	С	GLU A	Į	112	12.523	-3.597	24.976	1.000	14.90
ATOM	763	0	GLU A	1	112	13.092	-4.442	25.668	1.000	19.62
ATOM	764	N	TYR A	1	113	11.540	-2.823	25.426	1.000	12.89
MOTA	765	CA	TYR A	<b>A</b> :	113	11.084	-2.956	26.807	1.000	16.51
ATOM	766	СВ	TYR A	1	113	11.619	-1.873	27.733	1.000	20.74
ATOM	767	CG	TYR F	1	113	13.078	-1.515	27.619	1.000	26.13
ATOM	768	CD1	TYR F	1	113	13.516	-0.557	26.718	1.000	18.47
ATOM	769	CE1	TYR A	1	113	14.856	-0.215	26.600	1.000	15.41
MOTA	770	CZ	TYR A	<i>\</i>	113	15.762	-0.861	27.419	1.000	20.13
MOTA	771	ОН	TYR F	Α :	113	17.101	-0.557	27.351	1.000	18.27
MOTA	772	CE2	TYR A	Δ.	113	15.348	-1.814	28.327	1.000	21.37
MOTA	773	CD2	TYR A		113	14.015	-2.150	28.439	1.000	19.35
ATOM	774	С	TYR A			9.561	-2.892	26.883		12.89
ATOM	775	0	TYR A			8.890	-2.269	26.069		
ATOM	776	N	ILE A		114	9.052	-3.550	27.919		
ATOM	777	CA	ILE A	. :	114	7.656	-3.353	28.290		16.69
ATOM	778	СВ	ILE A		114	6.820	-4.639	28.237		
ATOM	779	CG1	ILE A		114	6.471	-5.095	26.816	1.000	12.15

ATOM	780	CD1	ILE A	114	6.039	-6.546	26.725 1.000 8.94
ATOM	781	CG2	ILE A	114	5.565	-4.473	29.088 1.000 8.30
ATOM	782	С	ILE A	114	7.694	-2.763	29.700 1.000 14.06
ATOM	783	0	ILE A	114	8.303	-3.348	30.598 1.000 21.26
ATOM	784	N	VAL A		7.089	-1.596	29.869 1.000 14.01
ATOM	785	CA	VAL A		7.062	-0.937	31.174 1.000 13.47
MOTA	786	CB	VAL A		7.364	0.562	31.033 1.000 21.33
ATOM	787	CG1			6.907	1.314	32.276 1.000 36.92
	788	CG2			8.848	0.796	30.787 1.000 22.96
MOTA		C	VAL A		5.679	-1.158	31.777 1.000 17.22
ATOM	789		VAL A		4.690	-0.963	31.064 1.000 14.66
ATOM	790	0	THR A		5.582	-1.561	33.041 1.000 12.85
MOTA	791	N			4.240	-1.763	33.594 1.000 13.54
ATOM	792	CA	THR A			-3.242	33.400 1.000 21.30
MOTA	793	CB	THR A		3.847		
MOTA	794	OG1	THR A		2.453	-3.453	
ATOM	795	CG2	THR A		4.622	-4.140	34.364 1.000 10.46
ATOM	796	С	THR A		4.203	-1.329	35.050 1.000 19.71
ATOM	797	0	THR A		5.232	-0.961	35.629 1.000 17.41
MOTA	798	И	GLN A		3.030	-1.346	35.671 1.000 15.37
MOTA	799	CA	GLN A		2.879	-0.940	37.068 1.000 16.82
MOTA	800	CB	GLN A		1.431	-0.504	37.325 1.000 15.09
ATOM	801	CG	GLN A		0.408	-1.602	37.048 1.000 19.18
ATOM	802	CD	GLN A	117	-1.027	-1.187	37.299 1.000 20.69
ATOM	803	OE1	GLN A	117	-1.353	-0.007	37.405 1.000 25.69
ATOM	804	NE2	GLN A	117	-1.921	-2.158	37.408 1.000 18.66
MOTA	805	С	GLN A	117	3.256	-2.108	37.959 1.000 19.79
ATOM	806	0	GLN A	117	3.305	-3.228	37.431 1.000 16.87
ATOM	807	N	GLY A	118	3.513	-1.947	39.253 1.000 17.49
ATOM	808	CA	GLY A		3.594	-3.168	40.078 1.000 15.99
ATOM	809	C	GLY A		2.238	-3.855	40.061 1.000 17.56
ATOM	810	0	GLY A		1.217	-3.179	40.257 1.000 18.31
ATOM	811	N	PRO A		2.182	-5.164	39.834 1.000 24.40
MOTA	812	CA	PRO A		0.885	-5.845	39.699 1.000 30.48
ATOM	813	CB	PRO A		1.272	-7.296	39.388 1.000 31.82
ATOM	814	CG	PRO A		2.683	-7.227	38.899 1.000 29.01
ATOM	815	CD	PRO A		3.310	-6.102	39.686 1.000 21.75
ATOM	816	C	PRO A		0.033	-5.781	40.966 1.000 34.89
ATOM	817	0	PRO A		0.531	-5.756	42.091 1.000 19.13
	818	N	LEU A		-1.288	-5.753	40.778 1.000 30.42
ATOM			LEU A		-2.231	-5.801	41.886 1.000 18.88
ATOM	819	CA			-3.467	-4.949	41.613 1.000 22.55
ATOM	820	CB	LEU A		-3.264	-3.439	41.494 1.000 24.74
ATOM	821	CG	LEU A				40.458 1.000 19.55
ATOM	822		LEU A		-4.202	-2.849	42.842 1.000 27.98
ATOM	823		LEU A		-3.482	-2.766	42.099 1.000 25.27
ATOM	824	С	LEU A		-2.690	-7.241	
ATOM	825	0	LEU A		-2.588	-8.006	41.139 1.000 22.48
MOTA	826	N	PRO A		-3.160	-7.550	43.298 1.000 32.56
ATOM	827	CA	PRO A		-3.719	-8.872	43.596 1.000 22.33
ATOM	828	CB	PRO A		-4.528	-8.621	44.871 1.000 23.26
MOTA	829	CG	PRO A		-3.777	-7.531	45.557 1.000 29.77
ATOM	830	CD	PRO A		-3.184	-6.660	44.477 1.000 30.93
MOTA	831	С	PRO A	121	-4.638	-9.339	42.476 1.000 23.80

MOTA	832	0			121		-10.483	42.026		
MOTA	833	N	GLY	Α	122	-5.453	-8.405	41.983	1.000	
ATOM	834	CA	GLY	Α	122	-6.344	-8.742	40.887	1.000	23.65
ATOM	835	С	GLY	Α	122	-5.751	-8.605	39.505	1.000	23.11
ATOM	836	0	GLY	Α	122	-6.478	-8.836	38.533	1.000	28.12
ATOM	837	N			123	-4.480	-8.246	39.320	1.000	20.65
ATOM	838	CA			123	-3.939	-8.167	37.962	1.000	21.61
ATOM	839	CB			123	-3.544	-6.732	37.551	1.000	
ATOM	840	OG1	THR			-2.505	-6.195	38.380	1.000	
ATOM	841	CG2	THR			-4.762	-5.828	37.710	1.000	
ATOM	842	C			123	-2.713	-9.052	37.765		24.76
		0	THR			-2.184	-9.097		1.000	
ATOM	843	-				-2.249	-9.744		1.000	
ATOM	844	N	LYS						1.000	
MOTA	845	CA	LYS				-10.520			
ATOM	846	CB	LYS				-10.990		1.000	
ATOM	847	CG	LYS				-11.566	40.964	1.000	
ATOM	848	CD	LYS				-11.618	42.358		31.42
ATOM	849	CE	LYS				-12.583	43.246	1.000	
ATOM	850	NZ	LYS				-12.844	44.518		57.02
ATOM	851	С	LYS				-11.674	37.656		
MOTA	852	0	LYS	A	124		-12.089	36.954	1.000	
ATOM	853	N	ASP				-12.221	37.545		18.28
ATOM	854	CA	ASP	Α	125	-2.657	-13.219	36.515		
ATOM	855	CB	ASP	Α	125	-4.097	-13.722	36.640	1.000	
ATOM	856	CG	ASP	Α	125	-4.249	-14.657	37.831	1.000	27.90
ATOM	857	OD1	ASP	Α	125	-3.285	-14.704	38.618	1.000	29.09
ATOM	858	OD2	ASP	А	125	-5.301	-15.311	37.945	1.000	33.37
MOTA	859	С	ASP	Α	125	-2.450	-12.633	35.120	1.000	23.84
ATOM	860	0	ASP				-13.280	34.191	1.000	23.80
ATOM	861	N	ASP				-11.375		1.000	22.66
ATOM	862	CA	ASP				-10.631	33.732		
ATOM	863	СВ	ASP			-3.480	-9.297	33.831		
ATOM	864	CG	ASP			-4.972	-9.394	33.608		
ATOM	865		ASP				-10.439	33.084		
MOTA	866		ASP			-5.703	-8.435	33.953		
ATOM	867	C	ASP				-10.385	33.422		17.37
ATOM	868	0	ASP				-10.492	32.297		16.89
ATOM	869	N	PHE				-10.017	34.473		
ATOM	870	CA	PHE			0.871	-9.707	34.284		
			PHE				-9.263			
MOTA	871	CB						35.632		
ATOM	872	CG	PHE			3.004		35.266		
ATOM	873		PHE			3.643	-8.020	35.292		
ATOM	874		PHE			5.024				
ATOM	875	CZ	PHE			5.790	-9.004	35.682		
ATOM	876		PHE				-10.189	36.044		
ATOM	877		PHE				-10.266	36.036		
MOTA	878	С	PHE				-10.931	33.700		
ATOM	879	0	PHE				-10.786	32.784		
ATOM	880	N	TRP				-12.107	34.243		
ATOM	881	CA	TRP				-13.350	33.864		
MOTA	882	CB	TRP				-14.415	34.942		
ATOM	883	CG	TRP	A	128	2.565	-14.200	36.157	1.000	13.35

MOTA	884	CD1	TRP				-14.021	37.449 1.000 18.06
ATOM	885	NE1			128		-13.857	38.263 1.000 16.29
ATOM	886	CE2			128		-13.927	37.497 1.000 13.72
ATOM	887	CD2			128		-14.142	36.169 1.000 15.37
MOTA	888	CE3			128		-14.251	35.178 1.000 20.85
MOTA	889	CZ3			128		-14.148	35.521 1.000 13.01
MOTA	890	CH2			128		-13.932	36.859 1.000 20.19
MOTA	891	CZ2			128		-13.822	37.849 1.000 22.48
MOTA	892	C			128		-13.783	32.480 1.000 11.86
MOTA	893	0			128		-14.288	31.668 1.000 21.55
MOTA	894	N			129		-13.551	32.155 1.000 16.27
MOTA	895	CA			129		-13.821	30.798 1.000 20.73
ATOM	896	CB			129		-13.626	30.741 1.000 17.81
MOTA	897	CG			129		-13.971	29.375 1.000 25.97
ATOM	898	CD			129	-3.752	-13.477	29.289 1.000 37.98
ATOM	899	CE			129	-4.458		28.083 1.000 38.08
ATOM	900	ΝZ			129		-15.547	28.280 1.000 56.47
ATOM	901	С			129	0.480	-12.919	29.785 1.000 24.29
MOTA	902	0			129	0.862		28.692 1.000 28.21
ATOM	903	N			130	0.668	-11.651	30.143 1.000 19.69
ATOM	904	CA	MET	Α	130	1.478	-10.735	29.351 1.000 15.73
ATOM	905	CB	MET	Α	130	1.576	-9.342	29.996 1.000 13.64
ATOM	906	CG	MET	Α	130	2.430	-8.380	29.162 1.000 18.33
ATOM	907	SD			130	2.476	-6.702	29.808 1.000 23.04
ATOM	908	CE	MET			3.483	-6.962	31.274 1.000 22.96
ATOM	909	С	MET	Α	130	2.897	-11.282	29.166 1.000 14.42
ATOM	910	0	MET	Α	130	3.384	-11.324	28.034 1.000 21.88
ATOM	911	N	VAL	Α	131	3.537	-11.664	30.266 1.000 11.85
MOTA	912	CA	VAL	Α	131	4.902	-12.202	30.262 1.000 21.55
ATOM	913	CB	VAL	Α	131	5.372	-12.557	31.682 1.000 18.65
ATOM	914	CG1	VAL	Α	131	6.598	-13.458	31.679 1.000 16.39
MOTA	915	CG2	VAL	Α	131	5.688	-11.303	32.508 1.000 13.87
MOTA	916	С	VAL	А	131	4.984	-13.418	29.333 1.000 26.29
MOTA	917	0	VAL	Α	131	5.892	-13.533	28.500 1.000 16.82
MOTA	918	N	TRP	Α	132	4.026	-14.334	29.437 1.000 24.10
ATOM	919	CA	TRP	Α	132	3.985	-15.531	28.598 1.000 23.86
MOTA	920	CB	TRP	Α	132	2.902	-16.495	29.121 1.000 27.36
MOTA	921	CG	TRP	Α	132	2.771	-17.754	28.310 1.000 30.80
ATOM	922	CD1	TRP	Α	132	1.818	-18.027	27.370 1.000 36.86
MOTA	923	NE1	TRP	Α	132	2.017	-19.278	26.835 1.000 36.99
ATOM	924	CE2	TRP	Α	132	3.115	-19.844	27.424 1.000 30.56
ATOM	925	CD2	TRP	Α	132	3.613	-18.914	28.359 1.000 24.79
ATOM	926	CE3	TRP	Α	132	4.745	-19.267	29.094 1.000 24.86
ATOM	927	CZ3	TRP	Α	132	5.332	-20.499	28.890 1.000 26.51
ATOM	928	CH2	TRP	Α	132	4.813	-21.405	27.955 1.000 24.87
ATOM	929	CZ2	TRP	Α	132		-21.089	27.215 1.000 30.31
ATOM	930	С	TRP				-15.207	27.129 1.000 29.34
ATOM	931	0	TRP	Α	132		-15.695	26.237 1.000 17.82
ATOM	932	N	GLU				-14.379	26.835 1.000 23.54
ATOM	933	CA	GLU				-14.062	25.448 1.000 23.03
ATOM	934	СВ	GLU				-13.274	25.422 1.000 27.10
MOTA	935	CG	GLU				-14.176	25.718 1.000 30.65

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ATOM	936	CD	GLU				-13.399	25.736		
MOTA	937	OE1	GLU				-12.159	25.561		
ATOM	938	OE2	GLU	Α	133	-2.444	-14.049	25.925	1.000	35.41
ATOM	939	С	GLU	Α	133	3.490	-13.262	24.735	1.000	27.45
MOTA	940	0	GLU	Α	133	3.689	-13.428	23.528	1.000	24.03
ATOM	941	N	GLN			4.197	-12.382	25.449	1.000	21.95
ATOM	942	CA	GLN				-11.554	24.787	1.000	17.30
MOTA	943	СВ	GLN				-10.184			17.87
ATOM	944	CG	GLN			3.998	-9.411	25.524		
ATOM	945	CD	GLN			3.647	-8.841	24.163		19.03
	946		GLN			4.481	-8.152	23.584		36.10
ATOM		NE2	GLN			2.453	-9.133	23.668		27.56
ATOM	947								1.000	
ATOM	948	C	GLN				-12.214		1.000	
ATOM	949	0	GLN				-11.579			
ATOM	950	N	ASN				-13.476	25.207		
ATOM	951	CA	ASN				-14.146	25.117		19.02
ATOM	952	CB	ASN				-14.179	23.644	1.000	
ATOM	953	CG	ASN				-15.129		1.000	
MOTA	954	OD1	ASN	Α	135		-16.331	23.072		
ATOM	955	ND2	ASN	Α	135	6.895	-14.604	21.788		45.85
ATOM	956	C	ASN	Α	135	9.026	-13.459	25.974		
MOTA	957	0	ASN	Α	135	10.193	-13.337		1.000	20.37
ATOM	958	N	VAL	Α	136	8.620	-12.988	27.148	1.000	16.96
ATOM	959	CA	VAL	A	136	9.529	-12.287	28.047	1.000	15.79
MOTA	960	CB	VAL			8.719	-11.486	29.093	1.000	11.80
ATOM	961		VAL				-11.074	30.260	1.000	9.82
ATOM	962	CG2	VAL				-10.279	28.431	1.000	16.29
MOTA	963	C	VAL				-13.264		1.000	18.01
ATOM	964	Ō	VAL				-14.252		1.000	
ATOM	965	N	HIS				-13.025		1.000	
ATOM	966	CA	HIS				-13.889		1.000	
ATOM	967	CB	HIS				-14.513	28.743		
ATOM	968	CG	HIS				-15.380	27.621	1.000	
	969	ND1					-16.077	26.808		53.39
MOTA		CE1	HIS				-16.758	25.899		51.26
ATOM	970 971		HIS				-16.533			49.27
ATOM							-15.676	27.154		
ATOM	972		HIS					30.766		19.36
ATOM	973	C	HIS				-13.116	31.703		
MOTA	974	0	HIS				-13.683			
MOTA		N	ASN				-11.780	30.748		
ATOM	976	CA	ASN				-11.010	31.842		
MOTA	977	CB			138		-10.301	31.351		
MOTA	978	CG			138		-11.316	30.999		
ATOM	979		ASN				-11.460	29.841		
MOTA	980	ND2	ASN				-12.026	32.011		
ATOM	981	С	ASN	A	138	12.811	-9.974	32.413		
ATOM	982	0	ASN	A	138	12.180	-9.217	31.666		
ATOM	983	N	ILE	Α	139	12.718	-9.937	33.737		
ATOM	984	CA	ILE	Α	139	11.859		34.435		
ATOM	985	СВ	ILE	Α	139	10.693	-9.655	35.187	1.000	17.07
MOTA	986		ILE				-10.424	34.296	1.000	17.67
ATOM	987		ILE			8.911	-11.494	35.031	1.000	15.33

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ATOM	988		ILE				9.941		.625			1.000	
MOTA	989	С	ILE				2.694		.169		5.412		
ATOM	990	0	ILE				3.465		.707		5.203		
ATOM	991	N	VAL				2.560		.852		5.353		
ATOM	992	CA	VAL				3.298		.966		5.242	1.000	
ATOM	993	CB	VAL	Α	140		1.088		.892		5.469	1.000	
MOTA	994	CG1	VAL	A	140	14	1.892		.018		5.427		
ATOM	995	CG2	VAL	Α	140		1.965		.563		1.419	1.000	
ATOM	996	С	VAL	A	140	12	2.331	<b>-</b> 5	.254	3	7.179	1.000	
ATOM	997	0	VAL	Α	140	11	1.385	-4	.619	36	5.709	1.000	15.65
ATOM	998	N	MET	Α	141	12	2.596	<b>-</b> 5	.376	38	3.473	1.000	19.78
MOTA	999	CA	MET	Α	141	13	1.718	-4	.726	39	9.452	1.000	23.36
ATOM	1000	СВ	MET	Α	141	11	1.016	<b>-</b> 5	.796	4 (	283	1.000	25.59
MOTA	1001	CG	MET	Α	141	10	0.199	<b>-</b> 5	.282	4 3	1.461	1.000	21.23
ATOM	1002	SD	MET			9	9.408	-6	.648	42	2.325	1.000	27.56
ATOM	1003	CE			141		3.617	-5	.832	43	3.707	1.000	31.17
ATOM	1004	C			141		2.541		.772	4 (	.294	1.000	27.26
ATOM	1005	0			141		3.509		.208		0.923	1.000	19.70
ATOM	1006	N	VAL				2.179		.487		).299		
ATOM	1007	CA	VAL				2.981		.529			1.000	
MOTA	1007	CB	VAL				3.642		.457		0.171		
ATOM	1009		VAL				1.774		.104		3.384		28.07
ATOM	1010		VAL				2.631		.200		9.250		
ATOM	1010	C	VAL				2.151		.832		2.134		
ATOM	1012	0	VAL				2.092		.396			1.000	
MOTA	1012	N	THR				L.544		.654		2.968		
	1013	CA	THR				0.713		.262		1.092		
MOTA	1014	CB	THR				9.303		.845		3.629		
MOTA		OG1	THR				3.553		.296		1.720		
ATOM	1016						3.489		.040		3.150		
ATOM	1017	CG2	THR				0.608		.414			1.000	
MOTA	1018	С	THR				7.000		.579		1.697		
ATOM	1019	0	THR				3.733		.074		5.348	1.000	
MOTA	1020	N	GLN				9.992		.090		7.327		31.46
ATOM	1021	CA	GLN						.772		3.733		
MOTA	1022	CB	GLN				0.464				3.954	1.000	
ATOM	1023	CG	GLN				1.964		.806				
ATOM	1024	CD	GLN				2.357		.317		).339 L.324	1.000	
ATOM	1025	OE1	GLN				2.240		.049				32.97
ATOM	1026	NE2	GLN				2.828					1.000	
MOTA		С	GLN				3.469					1.000	
ATOM	1028	0	GLN				7.859		.272			1.000	
MOTA	1029	N	CYS				7.887		.240				
ATOM	1030	CA	CYS				6.434		.376			1.000	
ATOM	1031	CB	CYS				5.053		.820			1.000	
ATOM	1032	SG	CYS				5.485		.965			1.000	
ATOM	1033	C	CYS				5.746		.404			1.000	
MOTA	1034	0	CYS				1.579		.052			1.000	
ATOM	1035	N	VAL				5.480		.988			1.000	
ATOM	1036	CA	VAL				5.060		.022			1.000	
ATOM	1037	CB	VAL				5.547		.672			1.000	
ATOM	1038		VAL				1.981		.619			1.000	
ATOM	1039	CG2	VAL	A	146	4	1.490	-3	.724	51	1./46	1.000	39.34

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ATOM	1040	С	VAL A			7.238	-1.119	51.101		
MOTA	1041	0	VAL A			8.312	-1.600	51.466		
ATOM	1042	N	GLU A			7.053	0.184	50.987		26.82
ATOM	1043	CA	GLU A	A 1	147	8.128	1.123	51.322		
ATOM	1044	CB	GLU A	1	L47	8.516	1.929	50.080		36.31
ATOM	1045	CG	GLU Z	1	147	8.591	1.048	48.834		43.83
MOTA	1046	CD	GLU A	1	L47	9.589	1.535	47.809		
ATOM	1047	OE1	GLU A	1	147	9.517	2.715	47.414	1.000	36.27
ATOM	1048	OE2	GLU A	1	L47	10.460	0.748	47.383		
ATOM	1049	С	GLU Z	A 1	147	7.682	2.020	52.466	1.000	43.00
ATOM	1050	0	GLU Z	1	L47	6.842	2.895	52.262	1.000	36.39
ATOM	1051	N	LYS A			8.228	1.770	53.651	1.000	53.50
ATOM	1052	CA	LYS A			7.803	2.440	54.874	1.000	50.57
ATOM	1053	СВ	LYS A			8.242	3.904	54.859		53.82
ATOM	1054	CG	LYS A			9.487	4.175	55.693		
ATOM	1055	CD	LYS A			9.736	5.666	55.836		
ATOM	1056	CE	LYS A			11.217	5.994	55.917		
ATOM	1057	NZ	LYS A			11.582	7.165	55.066		
ATOM	1058	C	LYS A			6.291	2.327	55.068		
ATOM	1059	0	LYS A			5.588	3.337	55.119		
ATOM	1060	N	GLY A			5.792	1.102	55.161		
	1060	CA	GLY A			4.396	0.812	55.408		38.69
MOTA	1061		GLY A			3.455	1.021	54.249		
ATOM		C	GLY A			2.303	0.575	54.255		
MOTA	1063	0				3.889	1.707	53.188		
ATOM	1064	N	ARG A				1.932	52.076		
MOTA	1065	CA	ARG A			2.967		51.450		
MOTA	1066	CB	ARG A			3.179	3.306	51.430		
MOTA	1067	CG	ARG A			2.273	4.410	51.196		
MOTA	1068	CD	ARG A			2.530	5.696			75.91
MOTA	1069	NE	ARG A			1.626	6.786	51.559		82.71
ATOM	1070	CZ	ARG A			1.738	8.024	51.087 50.240		
MOTA	1071	NH1	ARG A			2.708	8.322			
MOTA	1072		ARG A			0.886	8.969	51.456		
MOTA	1073	С	ARG A			3.144	0.849	51.015		
MOTA	1074	0	ARG A			4.266	0.643	50.541		
MOTA	1075	N	VAL A			2.039	0.197	50.671		
ATOM	1076	CA	VAL A			2.035	-0.861	49.673		
MOTA	1077	CB	VAL A			0.713	-1.647	49.660		
ATOM	1078	CG1				0.755	-2.776	48.637		
ATOM	1079		VAL A			0.441				
ATOM	1080	С	VAL A			2.298	-0.281	48.288		
ATOM	1081	0	VAL A			1.563	0.579	47.806		
ATOM	1082	N	LYS A	1	152	3.371	-0.759	47.674		
ATOM	1083	CA	LYS A	1	L52	3.788	-0.282	46.358		
ATOM	1084	CB	LYS A	1	L52	5.272	0.088	46.373		
ATOM	1085	CG	LYS A	A 1	152	5.626	1.158	47.393		
ATOM	1086	CD	LYS A	1	L52	4.469	2.111	47.631		
ATOM	1087	CE	LYS A	1	152	4.900	3.566	47.538		
ATOM	1088	NZ	LYS A	1	L52	3.834	4.403	46.910		
ATOM	1089	С	LYS A	1	152	3.528	-1.344	45.298		
ATOM	1090	0	LYS A	1	152	3.227	-1.024	44.149	1.000	33.84
ATOM	1091	N	CYS A			3.648	-2.611	45.697	1.000	27.03

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ATOM	1092	CA	CYS				3.476	-3.6		44.729		
ATOM	1093	CB	CYS	Α	153		4.776	-3.8	378		1.000	
MOTA	1094	SG	CYS	А	153		4.790	-5.0	91	42.611	1.000	26.17
ATOM	1095	С	CYS	Α	153		3.064	-4.9	86		1.000	
ATOM	1096	0	CYS	А	153		3.553	-5.3	324	46.490	1.000	27.44
ATOM	1097	N	ASP				2.155	-5.7	42	44.804	1.000	34.85
MOTA	1098	CA	ASP				1.828	-7.0	62	45.322	1.000	37.76
ATOM	1099	CB	ASP			•	0.584	-7.6			1.000	
ATOM	1100	CG	ASP				0.099	-8.9			1.000	
	1101		ASP				-0.148	-9.9		44.627	1.000	
ATOM			ASP				-0.042	-8.9		46.557	1.000	
ATOM	1102						3.010	-8.0			1.000	
ATOM	1103	С	ASP					-7.8			1.000	
ATOM	1104	0	ASP				3.825				1.000	
MOTA	1105	N	HIS				3.097	-8.9		46.020		
ATOM	1106	CA			155		4.072	-10.0		45.914	1.000	
ATOM	1107	CB	HIS					-10.7			1.000	
ATOM	1108	CG	HIS					-11.7		47.244	1.000	
ATOM	1109		HIS					-11.5			1.000	
MOTA	1110	CE1	HIS	Α	155			-12.7		47.514	1.000	
ATOM	1111	NE2	HIS	Α	155		6.557	-13.6	506	46.980	1.000	35.21
ATOM	1112	CD2	HIS	Α	155		5.311	-13.0	64		1.000	
ATOM	1113	С	HIS	Α	155		3.531	-11.0	)53	44.879	1.000	30.27
ATOM	1114	0	HIS	Α	155		2.745	-11.9	922	45.253	1.000	34.64
ATOM	1115	N	TYR				3.914	-10.8	397	43.613	1.000	24.90
ATOM	1116	CA	TYR					-11.5		42.521	1.000	22.68
ATOM	1117	СВ	TYR					-10.6	521	41.340	1.000	22.68
ATOM	1118	CG	TYR					-10.0		40.818	1.000	
ATOM	1119	CD1	TYR					-10.7		39.844	1.000	
ATOM	1120	CE1	TYR					-10.2		39.348	1.000	
	1121	CZ	TYR				6.755	-9.0		39.824	1.000	
ATOM			TYR				7.933	-8.5		39.322	1.000	
ATOM	1122	OH	TYR				6.070	-8.3		40.786	1.000	
ATOM	1123	CE2					4.883	-8.8		41.274	1.000	
MOTA	1124	CD2	TYR							42.063	1.000	
ATOM	1125	C	TYR					-12.8		41.027	1.000	
ATOM	1126	0	TYR					-13.4			1.000	
MOTA	1127	N	TRP					-13.3		42.825		
MOTA	1128	CA	TRP					-14.6		42.504	1.000	
MOTA	1129	CB	TRP					-14.3		42.092	1.000	
MOTA	1130	CG	TRP					-13.8		43.197		
MOTA	1131		TRP					-14.4		44.110		
ATOM	1132		TRP					-13.6		44.960		
MOTA	1133		TRP					-12.3		44.607		
MOTA	1134	CD2	TRP	Α	157			-12.4		43.503		
ATOM	1135	CE3	TRP	Α	157		7.500	-11.2	231	42.944		
MOTA	1136	CZ3	TRP	Α	157		7.880	-10.0	30	43.502		
ATOM	1137	CH2	TRP	A	157		8.743	-9.9	75	44.602	1.000	25.46
MOTA	1138	CZ2					9.251	-11.1	13	45.172	1.000	27.53
ATOM	1139	C	TRP					-15.5		43.706		
ATOM	1140	Ö	TRP					-15.0		44.828		
ATOM	1141	N	PRO					-16.8		43.503		
ATOM	1141	CA	PRO					-17.7		44.640		
		CB	PRO					-19.1		44.009		
MOTA	1143	CD	E \$/0	'n	100		3.331	1.7.1				

ATOM	1144	CG	PRO A	158	5.988	-18.987	42.583	1.000	30.62
MOTA	1145	CD	PRO A	158	5.757	-17.553	42.215	1.000	28.57
ATOM	1146	С	PRO A	158	6.990	-17.602	45.391	1.000	42.64
ATOM	1147	0	PRO A		8.051	-17.797	44.790	1.000	41.28
ATOM	1148	N	ALA A			-17.227	46.657	1.000	
	1149	CA	ALA A			-16.897	47.500		
ATOM						-16.083	48.701		
MOTA	1150	CB	ALA A						
ATOM	1151	С	ALA A			-18.094		1.000	
MOTA	1152	0	ALA A			-17.935	48.572	1.000	
MOTA	1153	N	ASP A		8.338	-19.307	47.809	1.000	
ATOM	1154	CA	ASP A	160		-20.487	48.190	1.000	60.84
ATOM	1155	CB	ASP A	160	8.266	-21.507	48.945	1.000	68.39
ATOM	1156	CG	ASP A	160	7.989	-21.175	50.394	1.000	75.02
MOTA	1157		ASP A		8.838	-20.519	51.035	1.000	88.56
ATOM	1158		ASP A			-21.574	50.891	1.000	76.88
ATOM	1159	C	ASP A			-21.134	46.924		
	1160	0	ASP A			-20.618	45.827	1.000	
ATOM			GLN A			-22.273	47.064	1.000	
ATOM	1161	N				-23.062	45.911		
MOTA	1162	CA	GLN A						
ATOM	1163	CB	GLN A			-24.073	46.306		
MOTA	1164	CG	GLN A			-23.547	46.201		
MOTA	1165	CD	GLN A			-22.701	44.959		
ATOM	1166	OE1				-23.208	43.842		
ATOM	1167	NE2				-21.415	45.153		
ATOM	1168	С	GLN A	161		-23.794	45.301	1.000	
MOTA	1169	0	GLN A	161	9.666	-24.493	44.295	1.000	52.78
ATOM	1170	N	ASP A	162	8.381	-23.641	45.922	1.000	45.89
MOTA	1171	CA	ASP A	162	7.149	-24.258	45.482	1.000	51.10
ATOM	1172	СВ	ASP A		6.101	-24.204	46.603	1.000	57.35
ATOM	1173	CG	ASP A		5.884	-22.779	47.078	1.000	65.40
ATOM	1174	OD1	ASP A			-21.916	46.685	1.000	69.28
ATOM	1175		ASP A			-22.539	47.823	1.000	75.26
MOTA	1176	C	ASP A			-23.596	44.219		
ATOM	1177	0	ASP A			-22.878	43.496		
	1178	N	SER A			-23.884	43.972		
ATOM	1179	CA	SER A			-23.472	42.768		
ATOM						-24.685	41.840		
ATOM	1180	CB	SER A			-25.721	42.529		31.33
ATOM	1181	OG	SER A			-23.721	43.072		
ATOM	1182	С	SER A						
MOTA		0	SER A			-23.132			
ATOM	1184	N	LEU A			-22.138	42.115		
MOTA	1185	CA	LEU A	164		-21.603	42.172		
MOTA	1186	CB	LEU A	164		-20.222	42.813		
MOTA	1187	CG	LEU A	164		-20.041	44.206		
MOTA	1188	CD1	LEU A	164	1.918	-18.560	44.569		
MOTA	1189	CD2	LEU A	164	1.141	-20.859	45.236		
MOTA	1190	С	LEU A			-21.459	40.757	1.000	28.03
ATOM	1191	0	LEU A			-21.308	39.816	1.000	24.57
ATOM	1192	N	TYR A			-21.480	40.677		
ATOM	1193	CA	TYR A			-21.136	39.432		
ATOM	1194	CB	TYR P			-21.817	39.316		
	1195	CG	TYR A			-23.276	38.942		
MOTA	エエカコ	CG	TIL P	. 100	2.402	20.270	55.512		

ATOM	1196	CD1	TYR A		-2.328 -24.2			
ATOM	1197	CE1	TYR A	165	-2.294 -25.6			
ATOM	1198	CZ	TYR A	165	-2.418 -25.9		1.000	
ATOM	1199	OH	TYR A	165	-2.393 <b>-</b> 27 <i>.</i> 3		1.000	
ATOM	1200	CE2	TYR A	165	-2.577 <b>-</b> 25.0		1.000	
ATOM	1201	CD2	TYR A	165	<b>-</b> 2.606 -23.6	93 37.627	1.000	22.96
ATOM	1202	С	TYR A	165	-1.349 -19.6	39.364	1.000	30.51
ATOM	1203	0	TYR A	165	-1.633 -19.0	05 40.383	1.000	27.58
ATOM	1204	N	TYR A		-1.205 -19.0	47 38.185	1.000	24.74
ATOM	1205	CA	TYR A		-1.612 -17.6	37.914	1.000	24.22
ATOM	1206	CB	TYR A		-0.422 -16.7		1.000	24.27
ATOM	1207	CG	TYR A		0.394 -16.5		1.000	25.75
ATOM	1208	CD1	TYR A		0.075 -15.6		1.000	
ATOM	1209	CE1	TYR A		0.820 -15.4		1.000	
ATOM	1210	CZ	TYR A		1.899 -16.3		1.000	
MOTA	1211	OH	TYR A		2.646 -16.1		1.000	
ATOM	1212	CE2	TYR A		2.244 -17.2			
MOTA	1213	CD2	TYR A		1.492 -17.4		1.000	
	1213	CDZ	TYR A		-2.449 -17.7		1.000	
MOTA	1214	0	TYR A		-1.923 -17.8		1.000	
MOTA			GLY A		-3.775 -17.7			
ATOM	1216	N			-4.586 -17.8		1.000	
MOTA	1217	CA	GLY A		-4.383 -19.2		1.000	
ATOM	1218	C	GLY A		-4.503 -19.2 -4.521 -20.2		1.000	
MOTA	1219	0	GLY A				1.000	
ATOM	1220	N	ASP A		-4.072 -19.3			
MOTA	1221	CA	ASP A		-3.860 -20.6			
ATOM	1222	СВ	ASP A		-4.216 -20.5		1.000	
MOTA	1223	CG	ASP A		-5.719 -20.5		1.000	
ATOM	1224		ASP A		-6.422 -20.5		1.000	
MOTA	1225		ASP A		-6.178 -20.5		1.000	
ATOM	1226	С	ASP A		-2.411 -21.1		1.000	
MOTA	1227	0	ASP A		-1.997 -22.1		1.000	
ATOM	1228	N	LEU A		-1.617 -20.2		1.000	
MOTA	1229	CA	LEU A		-0.197 -20.5		1.000	
ATOM	1230	CB	LEU A		0.652 -19.3		1.000	
MOTA	1231	CG	LEU A		0.116 -18.5		1.000	
ATOM	1232	CD1			0.491 -17.0		1.000	
ATOM	1233	CD2	LEU A		0.634 -19.1		1.000	
MOTA	1234	С	LEU A		0.190 -21.0		1.000	
ATOM	1235	0	LEU A		-0.332 -20.6			
MOTA	1236	N	ILE A		1.186 -21.9			
MOTA	1237	CA	ILE A	170	1.792 -22.4			
ATOM	1238	CB	ILE A	170	1.748 -23.9		1.000	
ATOM	1239	CG1	ILE A	170	2.820 -24.5			
ATOM	1240	CD1	ILE A	170	2.381 -24.4		1.000	
ATOM	1241	CG2	ILE A	170	1.824 -24.5		1.000	
ATOM	1242	С	ILE A	170	3.229 -21.9		1.000	
ATOM	1243	0	ILE A	170	3.980 -22.0			
ATOM	1244	N	LEU A	171	3.581 -21.3			
ATOM	1245	CA	LEU A		4.899 -20.7		1.000	23.37
ATOM	1246	СВ	LEU A		4.752 -19.2			
ATOM	1247	CG	LEU A		5.997 -18.4		1.000	43.60

ATOM	1248	CD1	LEU	Α	171	5.642	-17.121	37.111 1.000	63.91
ATOM	1249	CD2	LEU	Α	171	6.736	-18.133	39.121 1.000	45.12
MOTA	1250	С	LEU	Α	171	5.591	-21.435	39.061 1.000	27.57
ATOM	1251	0	LEU	Α	171	5.001	-21.717	40.109 1.000	26.54
MOTA	1252	N	GLN	Α	172	6.879	-21.712	38.886 1.000	
MOTA	1253	CA			172		-22.398	39.914 1.000	
ATOM	1254	СВ			172		-23.825	39.432 1.000	
ATOM	1255	CG			172		-24.687	40.384 1.000	
ATOM	1256	CD			172		-26.026	39.763 1.000	
ATOM	1257	OE1			172		-26.176		34.24
ATOM	1257	NE2			172			40.589 1.000	
		C			172		-27.007		
MOTA	1259						-21.663	40.192 1.000	
ATOM	1260	0			172		-21.353	39.268 1.000	
ATOM	1261	N			173		-21.339	41.437 1.000	
ATOM	1262	CA			173		-20.678	41.595 1.000	
MOTA	1263	СВ			173		-19.860	42.883 1.000	
ATOM	1264	CG			173		-19.396	43.134 1.000	
ATOM	1265	SD			173		-18.091	44.380 1.000	57.02
ATOM	1266	CE			173	12.001	-19.065	45.860 1.000	24.26
MOTA	1267	С			173		-21.715	41.612 1.000	36.84
ATOM	1268	0	MET	Α	173		-22.640	42.427 1.000	50.73
MOTA	1269	N	LEU	Α	174	12.703	-21.541	40.741 1.000	29.04
ATOM	1270	CA	LEU	Α	174	13.805	-22.491	40.663 1.000	33.35
MOTA	1271	CB	LEU	Α	174	14.272	-22.638	39.215 1.000	28.88
ATOM	1272	CG	LEU	Α	174	13.322	-23.341		37.78
MOTA	1273	CD1	LEU	Α	174	13.953	-23.473	36.869 1.000	27.40
MOTA	1274	CD2	LEU	Α	174	12.907	-24.710		40.70
MOTA	1275	С	LEU	Α	174		-22.089		40.05
ATOM	1276	0	LEU				-22.939	41.869 1.000	
ATOM	1277	N	SER				-20.812	41.884 1.000	
ATOM	1278	CA	SER				-20.331		36.37
ATOM	1279	СВ	SER				-20.496		41.94
ATOM	1280	OG	SER				-19.439		42.50
ATOM	1281	C	SER				-18.877		33.27
ATOM	1282	Õ	SER				-18.146		31.30
ATOM	1283	N	GLU				-18.426	43.908 1.000	
ATOM	1284	CA	GLU				-17.086	44.444 1.000	
ATOM	1285	CB	GLU				-17.000		31.33
ATOM	1286	CG	GLU				-15.684		
	1287								33.37
ATOM		CD	GLU				-15.568	47.187 1.000	
ATOM	1288		GLU				-15.906	48.350 1.000	
ATOM	1289		GLU				~15.121	46.900 1.000	
ATOM	1290	C	GLU				-16.657	45.225 1.000	
ATOM	1291	0	GLU				-17.212	46.288 1.000	
ATOM	1292	N	SER				-15.685	44.683 1.000	
ATOM	1293	CA	SER				-15.232	45.282 1.000	
MOTA	1294	CB	SER				-15.290	44.263 1.000	
ATOM	1295	OG	SER				-16.639	43.844 1.000	
MOTA	1296	С	SER				-13.811	45.804 1.000	
MOTA	1297	0	SER				-12.900	45.008 1.000	
MOTA	1298	N	VAL			20.078	-13.672	47.112 1.000	
ATOM	1299	CA	VAL	A	178	20.081	-12.360	47.739 1.000	33.94

T III OM	1200	CD	VAL	7\	170	10 564	-12.385	49.185	1.000	36,90
ATOM	1300	CB					-10.966	49.740	1.000	
ATOM	1301		VAL				-13.032	49.252	1.000	
ATOM	1302		VAL							37.69
MOTA	1303	C	VAL				-11.768	48.298		
MOTA	1304	0	VAL				-12.390	47.149		36.54
MOTA	1305	N	LEU				-10.603			37.72
MOTA	1306	CA	LEU			22.772	-9.738	47.125		
ATOM	1307	CB	LEU			23.086	-9.250	45.709		
ATOM	1308	CG	LEU				-10.254	44.811	1.000	
ATOM	1309		LEU				-11.454	45.634		
ATOM	1310	CD2	LEU				-10.672	43.638	1.000	
MOTA	1311	С	LEU			22.522	-8.547	48.041	1.000	
MOTA	1312	0	LEU	A	179	21.375	-8.338	48.461		
MOTA	1313	N	PRO	A	180	23.523	-7.750	48.377		
ATOM	1314	CA	PRO	Α	180	23.219	-6.610	49.254		37.77
MOTA	1315	CB	PRO	Α	180	24.584	-5.934	49.447		
ATOM	1316	CG	PRO	Α	180	25.553	-7.049	49.201		
MOTA	1317	CD	PRO	Α	180	24.950	-7.802	48.031		
MOTA	1318	C	PRO	Α	180	22.228	-5.644	48.617		33.86
ATOM	1319	0	PRO	Α	180	21.382	-5.100	49.338	1.000	
MOTA	1320	N	GLU	Α	181	22.328	-5.430	47.303		
MOTA	1321	CA	GLU	Α	181	21.557	-4.357	46.678		
ATOM	1322	CB	GLU	Α	181	22.501	-3.428	45.911	1.000	
MOTA	1323	CG	GLU	Α	181	23.039	-2.275	46.752	1.000	
ATOM	1324	CD	GLU	Α	181	24.282	-1.678	46.120		
MOTA	1325	OE1	GLU	A	181	25.233	-2.443	45.850		75.46
ATOM	1326	OE2	GLU	Α	181	24.303	-0.455	45.890		
MOTA	1327	С	GLU	A	181	20.471	-4.855	45.741	1.000	
ATOM	1328	0	GLU	Α	181	19.651	-4.082	45.245		
ATOM	1329	N	TRP	Α	182	20.469	-6.158	45.486		
ATOM	1330	CA	TRP	Α	182	19.412	-6.733	44.667		29.29
ATOM	1331	CB	TRP	Α	182	19.582	-6.376	43.197	1.000	
MOTA	1332	CG	TRP	Α	182	20.858	-6.827	42.567	1.000	
ATOM	1333	CD1	TRP	А	182	21.167	-8.066	42.078	1.000	
ATOM	1334	NE1	TRP	Α	182	22.451	-8.067	41.577		
ATOM	1335	CE2	TRP	А	182	22.991	-6.819	41.738	1.000	
MOTA	1336	CD2	TRP	A	182	22.021	-6.010	42.354	1.000	
ATOM	1337	CE3	TRP			22.313	-4.676	42.637		
ATOM	1338	CZ3	TRP			23.561	-4.198	42.293	1.000	
MOTA	1339	CH2	TRP	A	182	24.508	-5.021			
ATOM	1340	CZ2	TRP	Α	182	24.250	-6.333	41.391		
MOTA	1341	С	TRP	Α	182	19.363		44.842		
ATOM	1342	0	TRP			20.270	-8.854	45.409		
ATOM	1343	N	THR			18.273	-8.804	44.338		
ATOM	1344	CA	THR	Α	183		-10.221	44.437		
ATOM	1345	CB	THR				-10.506	45.397		
MOTA	1346		THR				-10.024	46.694		
ATOM	1347	CG2	THR				-12.004	45.501		
ATOM	1348	C	THR				-10.771	43.063		
ATOM	1349	0	THR				-10.228	42.399		
ATOM	1350	N	ILE	А	184		-11.820	42.662		
MOTA	1351	CA	ILE	A	184	18.088	-12.437	41.360	1.000	23.94

ATOM	1352	CB	ILE A	184	19.396	-12.675	40.592		
MOTA	1353	CG1	ILE A	184	20.199	-11.396	40.326	1.000	22.21
ATOM	1354	CD1	ILE A	184	21.601	-11.696	39.831	1.000	22.92
ATOM	1355	CG2	ILE A			-13.392	39.270		
			ILE A			-13.730	41.564		27.42
ATOM	1356	С							
MOTA	1357	0	ILE A			-14.657	42.235		
MOTA	1358	N	ARG A			-13.816	41.000		24.23
MOTA	1359	CA	ARG A	185	15.404	-15.097	41.120		
MOTA	1360	CB	ARG A	185	14.007	-14.943	41.706	1.000	21.98
MOTA	1361	CG	ARG A	185	13.946	-14.608	43.191	1.000	30.13
ATOM	1362	CD	ARG A	185	12.698	-13.806	43.506	1.000	29.20
ATOM	1363	NE	ARG A			-13.366	44.885	1.000	25.63
ATOM	1364	CZ	ARG A			-12.112	45.309		25.06
ATOM	1365		ARG I			-11.112	44.455		
							46.607		24.44
ATOM	1366		ARG A			-11.850			
MOTA	1367	С	ARG A			-15.729	39.740		
MOTA	1368	0	ARG A			-15.034	38.737		
ATOM	1369	N	GLU A			-17.033	39.702		
MOTA	1370	CA	GLU A	186		-17.688	38.433	1.000	33.52
ATOM	1371	СВ	GLU A	186	15.931	-18.640	38.027	1.000	37.26
MOTA	1372	CG	GLU F	186	15.709	-19.229	36.633	1.000	44.30
ATOM	1373	CD	GLU A	186	16.999	-19.785	36.063	1.000	50.45
ATOM	1374	OE1				-20.303	34.930		68.14
ATOM	1375	OE2	GLU F			-19.694	36.755		
		C	GLU F			-18.471	38.501		
ATOM	1376						39.448		
MOTA	1377	0	GLU F			-19.227			
MOTA	1378	N	PHE A			-18.294	37.488		
MOTA	1379	CA	PHE F			-19.091	37.427		24.39
ATOM	1380	CB	PHE P	187	10.188	-18.203	37.533		
ATOM	1381	CG	PHE P	187	10.245	-17.205	38.663	1.000	34.20
ATOM	1382	CD1	PHE P	187	10.669	-15.907	38.444	1.000	31.66
ATOM	1383	CE1	PHE P	187	10.727	-14.979	39.465	1.000	27.66
ATOM	1384	CZ	PHE P	187	10.352	-15.353	40.737	1.000	25.23
ATOM	1385		PHE F		9.926	-16.645	40.980	1.000	26.99
MOTA	1386		PHE F			-17.565	39.952		
ATOM	1387	C	PHE A			-19.910	36.138		
ATOM	1388	0	PHE A			-19.600	35.113		
						-20.964	36.254		
ATOM	1389	N	LYS A				35.200		
ATOM	1390	CA	LYS F			-21.834			
MOTA	1391	CB	LYS F			-23.309	35.515		
ATOM	1392	CG	LYS F			-24.234	34.340		
MOTA	1393	CD	LYS F			-25.699	34.726		
ATOM	1394	CE	LYS A	188		-26.229	35.244		
ATOM	1395	NZ	LYS A	188	9.078	-27.265	36.298	1.000	55.70
ATOM	1396	С	LYS F	188	8.602	-21.591	35.044	1.000	24.40
ATOM	1397	Ō	LYS F			-21.601	36.049		
MOTA	1398	N	ILE F			-21.364	33.822		
ATOM	1399	CA	ILE P			-21.109	33.659		
	1400	CB	ILE P			-19.639	33.313		
ATOM						-19.039	33.080		
ATOM	1401		ILE A						
ATOM	1402		ILE P			-17.815	33.127		
ATOM	1403	CG2	ILE A	. 189	7.290	-19.208	32.121	T.000	19.65

ATOM 1404 C ILE A 189 6.141 -22.040 32.594 1.000 30.63 ATOM 1406 N CYS A 190 4.95 -22.578 31.600 1.000 34.64 ATOM 1407 CA CYS A 190 4.195 -22.551 32.839 1.000 36.44 ATOM 1408 CB CYS A 190 3.935 -24.832 32.645 1.000 36.83 ATOM 1409 SG CYS A 190 5.333 -25.621 33.465 1.000 54.28 ATOM 1410 C CYS A 190 5.333 -25.621 33.465 1.000 54.28 ATOM 1411 O CYS A 190 2.836 -22.854 31.647 1.000 34.54 ATOM 1412 N GLY A 191 2.596 -22.714 30.348 1.000 38.67 ATOM 1412 N GLY A 191 1.317 -22.192 29.891 1.000 47.83 ATOM 1414 C GLY A 191 1.317 -22.192 29.891 1.000 47.83 ATOM 1415 O GLY A 191 1.317 -22.192 29.891 1.000 57.83 ATOM 1416 N GLU A 192 -0.394 -22.733 28.252 1.000 68.94 ATOM 1417 CA GLU A 192 -0.394 -22.733 28.252 1.000 68.94 ATOM 1419 CG GLU A 192 -0.950 -23.669 27.264 1.000 77.08 ATOM 1419 CG GLU A 192 -2.249 -23.139 26.671 1.000 77.08 ATOM 1419 CG GLU A 192 -2.249 -23.139 26.671 1.000 77.08 ATOM 1412 OEI GLU A 192 -4.763 -23.113 27.082 1.000 88.99 ATOM 1420 CD GLU A 192 -4.763 -23.113 27.082 1.000 88.99 ATOM 1421 OEI GLU A 192 -4.766 -21.996 27.669 1.000 97.08 ATOM 1422 OE2 GLU A 192 -4.766 -21.996 27.669 1.000 97.08 ATOM 1423 C GLU A 192 -4.766 -21.996 27.669 1.000 97.08 ATOM 1424 O GLU A 192 -4.766 -21.996 27.669 1.000 97.08 ATOM 1425 N GLU A 193 1.816 -25.537 25.407 1.000 82.35 ATOM 1426 CG GLU A 193 1.816 -25.537 25.407 1.000 82.35 ATOM 1427 CB GLU A 193 1.816 -25.537 25.407 1.000 88.99 ATOM 1428 CG GLU A 193 1.816 -25.537 25.407 1.000 88.95 ATOM 1432 C GLU A 193 1.816 -25.537 25.407 1.000 88.95 ATOM 1432 C GLU A 193 1.816 -25.537 25.407 1.000 88.95 ATOM 1432 C GLU A 193 1.816 -25.537 25.407 1.000 88.95 ATOM 1432 C GLU A 193 1.816 -25.537 25.407 1.000 88.95 ATOM 1433 C GLU A 193 1.816 -25.537 25.407 1.000 88.95 ATOM 1433 C GLU A 193 1.816 -25.537 25.407 1.000 88.95 ATOM 1433 C G GLU A 193 1.816 -25.537 25.407 1.000 88.95 ATOM 1433 C G GLU A 193 1.816 -25.537 25.407 1.000 80.95 ATOM 1434 N GLU A 194 1.451 -22.896 22.896 1.000101.97 ATOM 1444 C G GLU A 193 1.816 -25.537 25.407 1.000 80.95 ATOM 1435 CB GLU A 193 1.816 -25.										
ATOM 1406 N CYS A 190	ATOM	1404	С	ILE	Α	189				
ATOM 1407 CA CYS A 190	MOTA	1405	0	ILE	Α	189	6.820	-22.278	31.600	1.000 34.60
ATOM 1409 CB CYS A 190	ATOM	1406	N	CYS	Α	190	4.945	-22.551	32.839	1.000 36.44
ATOM 1408 CB CYS A 190	ATOM	1407	CA	CYS	Α	190	4.195	-23.466	32.001	1.000 38.23
ATOM 1409 SG CYS A 190			СВ	CYS	Α	190	3.935	-24.832	32.645	1.000 36.83
ATOM 1410 C CYS A 190									33.465	1.000 54.28
ATOM 1411 O CYS A 190										
ATOM 1412 N GLY A 191										
ATOM 1413 CA GLY A 191										
ATOM 1414 C GLY A 191										
ATOM 1415 O GLY A 191										
ATOM 1416 N GLU A 192										
ATOM 1417 CA GLU A 192										
ATOM 1418 CB GLU A 192										
ATOM 1419 CG GLU A 192										
ATOM 1420 CD GLU A 192										
ATOM 1421 OE1 GLU A 192	ATOM									
ATOM 1422 OE2 GLU A 192	ATOM									
ATOM 1423 C GLU A 192 0.137 -23.932 26.222 1.000 79.08 ATOM 1424 O GLU A 192 0.449 -23.046 25.419 1.000 84.98 ATOM 1425 N GLU A 193 0.712 -25.136 26.276 1.000 80.23 ATOM 1426 CA GLU A 193 1.810 -25.537 25.407 1.000 88.15 ATOM 1427 CB GLU A 193 1.859 -27.061 25.268 1.000 82.57 ATOM 1428 CG GLU A 193 4.340 -27.361 25.023 1.000 74.69 ATOM 1429 CD GLU A 193 4.340 -27.361 25.023 1.000 74.69 ATOM 1430 OE1 GLU A 193 4.581 -27.990 26.575 1.000 64.29 ATOM 1431 OE2 GLU A 193 5.153 -26.581 24.488 1.000 79.60 ATOM 1432 C GLU A 193 5.153 -26.581 24.488 1.000 79.60 ATOM 1433 O GLU A 193 0.956 -25.403 23.166 1.000100.09 ATOM 1434 N GLN A 194 2.277 -23.101 22.520 1.000107.47 ATOM 1436 CB GLN A 194 2.277 -23.101 22.520 1.000107.47 ATOM 1437 CG GLN A 194 1.451 -21.819 22.686 1.000110.48 ATOM 1438 CD GLN A 194 -0.952 -20.989 22.858 1.000112.96 ATOM 1439 OE1 GLN A 194 -0.952 -20.989 22.858 1.000112.96 ATOM 1441 C GLN A 194 -0.952 -20.989 22.858 1.000112.97 ATOM 1440 NE2 GLN A 194 -0.952 -20.989 22.858 1.000112.96 ATOM 1441 C GLN A 194 -0.952 -20.989 22.858 1.000112.97 ATOM 1440 NE2 GLN A 194 -0.952 -20.989 22.858 1.000112.96 ATOM 1441 C GLN A 194 -0.952 -20.989 22.858 1.000112.96 ATOM 1443 N LEU A 195 5.601 -19.930 20.752 1.000108.99 ATOM 1444 CA LEU A 195 5.601 -19.930 20.752 1.000108.99 ATOM 1444 CA LEU A 195 6.025 -19.764 19.285 1.000101.76 ATOM 1446 CG LEU A 195 6.025 -19.764 19.285 1.000101.76 ATOM 1447 CD1 LEU A 195 6.025 -19.764 19.285 1.000100.97 ATOM 1448 CD2 LEU A 195 6.025 -19.764 19.285 1.000100.97 ATOM 1449 C LEU A 195 6.025 -19.764 19.285 1.000108.99 ATOM 1449 C LEU A 195 6.025 -19.764 19.285 1.000108.99 ATOM 1448 CD2 LEU A 195 6.025 -19.764 19.285 1.000108.99 ATOM 1445 CB ASP A 196 6.020 -22.554 23.495 1.000108.93 ATOM 1445 CB ASP A 196 6.020 -22.554 23.495 1.000109.72 ATOM 1445 CB ASP A 196 6.020 -22.554 23.495 1.000109.72	ATOM	1421								
ATOM 1424 O GLU A 192	MOTA	1422	OE2	GLU	Α	192				
ATOM 1425 N GLU A 193	ATOM	1423	C	GLU	Α	192			26.222	
ATOM 1426 CA GLU A 193	MOTA	1424	0	GLU	Α	192	0.449	-23.046		
ATOM 1427 CB GLU A 193	ATOM	1425	N	GLU	Α	193	0.712	-25.136	26.276	1.000 80.23
ATOM 1427 CB GLU A 193	ATOM	1426	CA	GLU	Α	193	1.810	-25.537	25.407	
ATOM 1428 CG GLU A 193		1427	СВ	GLU	Α	193	1.859	-27.061	25.268	1.000 82.57
ATOM 1429 CD GLU A 193							2.981	-27.559	24.373	1.000 74.69
ATOM 1430 OE1 GLU A 193							4.340	-27.361	25.023	1.000 75.38
ATOM 1431 OE2 GLU A 193									26.075	1.000 64.29
ATOM 1432 C GLU A 193								-26.581		1.000 79.60
ATOM 1433 O GLU A 193									24.026	
ATOM 1434 N GLN A 194 2.383 -23.782 23.814 1.000102.10 ATOM 1435 CA GLN A 194 2.277 -23.101 22.520 1.000107.47 ATOM 1436 CB GLN A 194 1.451 -21.819 22.686 1.000110.48 ATOM 1437 CG GLN A 194 0.039 -22.092 23.245 1.000111.93 ATOM 1438 CD GLN A 194 -0.952 -20.989 22.858 1.000112.96 ATOM 1439 OE1 GLN A 194 -0.959 -20.485 21.724 1.000119.77 ATOM 1440 NE2 GLN A 194 -1.812 -20.629 23.805 1.000105.14 ATOM 1441 C GLN A 194 3.653 -22.834 21.928 1.000110.55 ATOM 1442 O GLN A 194 4.374 -23.775 21.570 1.000118.12 ATOM 1443 N LEU A 195 4.067 -21.573 21.796 1.000108.99 ATOM 1444 CA LEU A 195 5.409 -21.363 21.238 1.000106.04 ATOM 1445 CB LEU A 195 5.601 -19.930 20.752 1.000103.44 ATOM 1446 CG LEU A 195 6.025 -19.764 19.285 1.000101.76 ATOM 1448 CD2 LEU A 195 6.636 -18.390 19.041 1.000 93.51 ATOM 1449 C LEU A 195 7.000 -20.865 18.871 1.000 83.67 ATOM 1449 C LEU A 195 7.662 -21.736 22.276 1.000109.72 ATOM 1450 O LEU A 195 7.662 -21.740 21.977 1.000128.83 ATOM 1451 N ASP A 196 6.020 -22.054 23.495 1.000104.75 ATOM 1452 CA ASP A 196 6.956 -22.505 24.521 1.000 97.46 ATOM 1453 CB ASP A 196 6.956 -22.505 24.521 1.000 97.46 ATOM 1453 CB ASP A 196 6.470 -20.133 25.358 1.000 89.89										
ATOM 1435 CA GLN A 194 2.277 -23.101 22.520 1.000107.47 ATOM 1436 CB GLN A 194 1.451 -21.819 22.686 1.000110.48 ATOM 1437 CG GLN A 194 0.039 -22.092 23.245 1.000111.93 ATOM 1438 CD GLN A 194 -0.952 -20.989 22.858 1.000112.96 ATOM 1439 OE1 GLN A 194 -0.959 -20.485 21.724 1.000119.77 ATOM 1440 NE2 GLN A 194 -1.812 -20.629 23.805 1.000105.14 ATOM 1441 C GLN A 194 3.653 -22.834 21.928 1.000110.55 ATOM 1442 O GLN A 194 4.374 -23.775 21.570 1.000118.12 ATOM 1443 N LEU A 195 4.067 -21.573 21.796 1.000108.99 ATOM 1444 CA LEU A 195 5.409 -21.363 21.238 1.000106.04 ATOM 1445 CB LEU A 195 5.601 -19.930 20.752 1.000103.44 ATOM 1446 CG LEU A 195 6.025 -19.764 19.285 1.000101.76 ATOM 1447 CD1 LEU A 195 6.636 -18.390 19.041 1.000 93.51 ATOM 1448 CD2 LEU A 195 7.000 -20.865 18.871 1.000 83.67 ATOM 1449 C LEU A 195 7.662 -21.736 22.276 1.000109.72 ATOM 1450 O LEU A 195 7.662 -21.740 21.977 1.000128.83 ATOM 1451 N ASP A 196 6.956 -22.505 24.521 1.000 97.46 ATOM 1453 CB ASP A 196 6.956 -22.505 24.521 1.000 97.46 ATOM 1453 CB ASP A 196 6.470 -20.133 25.358 1.000 89.89										
ATOM 1436 CB GLN A 194										
ATOM 1437 CG GLN A 194										
ATOM 1438 CD GLN A 194										
ATOM 1439 OE1 GLN A 194										
ATOM 1440 NE2 GLN A 194 -1.812 -20.629 23.805 1.000105.14 ATOM 1441 C GLN A 194 3.653 -22.834 21.928 1.000110.55 ATOM 1442 O GLN A 194 4.374 -23.775 21.570 1.000118.12 ATOM 1443 N LEU A 195 4.067 -21.573 21.796 1.000108.99 ATOM 1444 CA LEU A 195 5.409 -21.363 21.238 1.000106.04 ATOM 1445 CB LEU A 195 5.601 -19.930 20.752 1.000103.44 ATOM 1446 CG LEU A 195 6.025 -19.764 19.285 1.000101.76 ATOM 1447 CD1 LEU A 195 6.636 -18.390 19.041 1.000 93.51 ATOM 1448 CD2 LEU A 195 7.000 -20.865 18.871 1.000 83.67 ATOM 1449 C LEU A 195 6.462 -21.736 22.276 1.000109.72 ATOM 1450 O LEU A 195 7.662 -21.740 21.977 1.000128.83 ATOM 1451 N ASP A 196 6.956 -22.505 24.521 1.000 97.46 ATOM 1452 CA ASP A 196 6.956 -22.505 24.521 1.000 97.46 ATOM 1453 CB ASP A 196 6.470 -20.133 25.358 1.000 89.89										
ATOM 1441 C GLN A 194 3.653 -22.834 21.928 1.000110.55 ATOM 1442 O GLN A 194 4.374 -23.775 21.570 1.000118.12 ATOM 1443 N LEU A 195 4.067 -21.573 21.796 1.000108.99 ATOM 1444 CA LEU A 195 5.409 -21.363 21.238 1.000106.04 ATOM 1445 CB LEU A 195 5.601 -19.930 20.752 1.000103.44 ATOM 1446 CG LEU A 195 6.025 -19.764 19.285 1.000101.76 ATOM 1447 CD1 LEU A 195 6.636 -18.390 19.041 1.000 93.51 ATOM 1448 CD2 LEU A 195 7.000 -20.865 18.871 1.000 83.67 ATOM 1449 C LEU A 195 6.462 -21.736 22.276 1.000109.72 ATOM 1450 O LEU A 195 7.662 -21.740 21.977 1.000128.83 ATOM 1451 N ASP A 196 6.956 -22.505 24.521 1.000 97.46 ATOM 1453 CB ASP A 196 7.139 -21.463 25.616 1.000 94.37 ATOM 1454 CG ASP A 196 6.470 -20.133 25.358 1.000 89.89										
ATOM 1442 O GLN A 194 4.374 -23.775 21.570 1.000118.12 ATOM 1443 N LEU A 195 4.067 -21.573 21.796 1.000108.99 ATOM 1444 CA LEU A 195 5.409 -21.363 21.238 1.000106.04 ATOM 1445 CB LEU A 195 5.601 -19.930 20.752 1.000103.44 ATOM 1446 CG LEU A 195 6.025 -19.764 19.285 1.000101.76 ATOM 1447 CD1 LEU A 195 6.636 -18.390 19.041 1.000 93.51 ATOM 1448 CD2 LEU A 195 7.000 -20.865 18.871 1.000 83.67 ATOM 1449 C LEU A 195 6.462 -21.736 22.276 1.000109.72 ATOM 1450 O LEU A 195 7.662 -21.740 21.977 1.000128.83 ATOM 1451 N ASP A 196 6.956 -22.505 24.521 1.000 97.46 ATOM 1453 CB ASP A 196 7.139 -21.463 25.616 1.000 94.37 ATOM 1454 CG ASP A 196 6.470 -20.133 25.358 1.000 89.89										
ATOM 1443 N LEU A 195										
ATOM 1444 CA LEU A 195 5.409 -21.363 21.238 1.000106.04 ATOM 1445 CB LEU A 195 5.601 -19.930 20.752 1.000103.44 ATOM 1446 CG LEU A 195 6.025 -19.764 19.285 1.000101.76 ATOM 1447 CD1 LEU A 195 6.636 -18.390 19.041 1.000 93.51 ATOM 1448 CD2 LEU A 195 7.000 -20.865 18.871 1.000 83.67 ATOM 1449 C LEU A 195 6.462 -21.736 22.276 1.000109.72 ATOM 1450 O LEU A 195 7.662 -21.740 21.977 1.000128.83 ATOM 1451 N ASP A 196 6.020 -22.054 23.495 1.000104.75 ATOM 1452 CA ASP A 196 6.956 -22.505 24.521 1.000 97.46 ATOM 1453 CB ASP A 196 7.139 -21.463 25.616 1.000 94.37 ATOM 1454 CG ASP A 196 6.470 -20.133 25.358 1.000 89.89										
ATOM 1445 CB LEU A 195 5.601 -19.930 20.752 1.000103.44 ATOM 1446 CG LEU A 195 6.025 -19.764 19.285 1.000101.76 ATOM 1447 CD1 LEU A 195 6.636 -18.390 19.041 1.000 93.51 ATOM 1448 CD2 LEU A 195 7.000 -20.865 18.871 1.000 83.67 ATOM 1449 C LEU A 195 6.462 -21.736 22.276 1.000109.72 ATOM 1450 O LEU A 195 7.662 -21.740 21.977 1.000128.83 ATOM 1451 N ASP A 196 6.020 -22.054 23.495 1.000104.75 ATOM 1452 CA ASP A 196 6.956 -22.505 24.521 1.000 97.46 ATOM 1453 CB ASP A 196 7.139 -21.463 25.616 1.000 94.37 ATOM 1454 CG ASP A 196 6.470 -20.133 25.358 1.000 89.89										
ATOM 1446 CG LEU A 195 6.025 -19.764 19.285 1.000101.76 ATOM 1447 CD1 LEU A 195 6.636 -18.390 19.041 1.000 93.51 ATOM 1448 CD2 LEU A 195 7.000 -20.865 18.871 1.000 83.67 ATOM 1449 C LEU A 195 6.462 -21.736 22.276 1.000109.72 ATOM 1450 O LEU A 195 7.662 -21.740 21.977 1.000128.83 ATOM 1451 N ASP A 196 6.020 -22.054 23.495 1.000104.75 ATOM 1452 CA ASP A 196 6.956 -22.505 24.521 1.000 97.46 ATOM 1453 CB ASP A 196 7.139 -21.463 25.616 1.000 94.37 ATOM 1454 CG ASP A 196 6.470 -20.133 25.358 1.000 89.89										
ATOM 1447 CD1 LEU A 195 6.636 -18.390 19.041 1.000 93.51 ATOM 1448 CD2 LEU A 195 7.000 -20.865 18.871 1.000 83.67 ATOM 1449 C LEU A 195 6.462 -21.736 22.276 1.000109.72 ATOM 1450 O LEU A 195 7.662 -21.740 21.977 1.000128.83 ATOM 1451 N ASP A 196 6.020 -22.054 23.495 1.000104.75 ATOM 1452 CA ASP A 196 6.956 -22.505 24.521 1.000 97.46 ATOM 1453 CB ASP A 196 7.139 -21.463 25.616 1.000 94.37 ATOM 1454 CG ASP A 196 6.470 -20.133 25.358 1.000 89.89	ATOM									
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ATOM 1449 C LEU A 195 6.462 -21.736 22.276 1.000109.72 ATOM 1450 O LEU A 195 7.662 -21.740 21.977 1.000128.83 ATOM 1451 N ASP A 196 6.020 -22.054 23.495 1.000104.75 ATOM 1452 CA ASP A 196 6.956 -22.505 24.521 1.000 97.46 ATOM 1453 CB ASP A 196 7.139 -21.463 25.616 1.000 94.37 ATOM 1454 CG ASP A 196 6.470 -20.133 25.358 1.000 89.89	ATOM	1447								
ATOM 1450 O LEU A 195 7.662 -21.740 21.977 1.000128.83 ATOM 1451 N ASP A 196 6.020 -22.054 23.495 1.000104.75 ATOM 1452 CA ASP A 196 6.956 -22.505 24.521 1.000 97.46 ATOM 1453 CB ASP A 196 7.139 -21.463 25.616 1.000 94.37 ATOM 1454 CG ASP A 196 6.470 -20.133 25.358 1.000 89.89	ATOM	1448	CD2							
ATOM 1451 N ASP A 196 6.020 -22.054 23.495 1.000104.75 ATOM 1452 CA ASP A 196 6.956 -22.505 24.521 1.000 97.46 ATOM 1453 CB ASP A 196 7.139 -21.463 25.616 1.000 94.37 ATOM 1454 CG ASP A 196 6.470 -20.133 25.358 1.000 89.89	ATOM	1449	С							
ATOM 1451 N ASP A 196 6.020 -22.054 23.495 1.000104.75 ATOM 1452 CA ASP A 196 6.956 -22.505 24.521 1.000 97.46 ATOM 1453 CB ASP A 196 7.139 -21.463 25.616 1.000 94.37 ATOM 1454 CG ASP A 196 6.470 -20.133 25.358 1.000 89.89	MOTA	1450	0							
ATOM 1452 CA ASP A 196 6.956 -22.505 24.521 1.000 97.46 ATOM 1453 CB ASP A 196 7.139 -21.463 25.616 1.000 94.37 ATOM 1454 CG ASP A 196 6.470 -20.133 25.358 1.000 89.89		1451	N	ASP	Α	196				
ATOM 1453 CB ASP A 196 7.139 -21.463 25.616 1.000 94.37 ATOM 1454 CG ASP A 196 6.470 -20.133 25.358 1.000 89.89			CA	ASP	Α	196	6.956	-22.505		
ATOM 1454 CG ASP A 196 6.470 -20.133 25.358 1.000 89.89							7.139	-21.463		
0.000 0							6.470	-20.133		
							5.236	-20.089	25.182	1.000 80.93

MOTA	1456	OD2	ASP	A	196		-19.119	25.348		
MOTA	1457	С	ASP	Α	196		-23.822	25.150		
MOTA	1458	0	ASP	Α	196		-24.300	24.896	1.0003	103.69
ATOM	1459	N	ALA	Α	197	7.366	-24.390	25.976	1.000	95.34
MOTA	1460	CA	ALA	Α	197		-25.628	26.703		
ATOM	1461	CB	ALA	Α	197	7.661	-26.824	25.949	1.000	80.95
MOTA	1462	С	ALA	Α	197	7.715	-25.535	28.106	1.000	92.67
MOTA	1463	0	ALA	Α	197	6.986	-25.567	29.100	1.0003	101.36
ATOM	1464	N	HIS			9.035	-25.410	28.190	1.000	90.04
ATOM	1465	CA	HIS				-25.190	29.464	1.000	83.32
ATOM	1466	СВ	HIS				-26.370	29.813		84.18
ATOM	1467	CG	HIS				-26.074	30.617		84.25
ATOM	1468		HIS				-25.834	31.968	1.000	
MOTA	1469	CE1	HIS				-25.609	32.389		
ATOM	1470	NE2	HIS				-25.681	31.348		
ATOM	1471		HIS				-25.969	30.232		
ATOM	1472	C	HIS				-23.876	29.379		
	1472	0	HIS				-23.784	29.023		
ATOM	1473	N	ARG				-22.781	29.701		
ATOM			ARG				-21.480	29.568		
ATOM	1475	CA	ARG				-21.460	28.903		
ATOM	1476	CB					-19.446	28.092		
ATOM	1477	CG	ARG					28.108		
ATOM	1478	CD	ARG				-18.087	27.322		
ATOM	1479	NE	ARG				-18.120 $-17.120$	27.322		
ATOM	1480	CZ	ARG				-16.096	28.241		
ATOM	1481		ARG					26.709		
ATOM	1482		ARG				-17.186			
ATOM	1483	С	ARG				-20.944	30.918 31.914		
ATOM	1484	0	ARG				-21.106			
ATOM	1485	N	LEU				-20.336	30.889		
ATOM	1486	CA	LEU				-19.865	32.087		
ATOM	1487	CB	LEU				-20.394	32.149 32.511		
MOTA	1488	CG	LEU				-21.881			
ATOM	1489		LEU				-22.134	33.523		
ATOM	1490	CD2					-22.382	33.052 32.153		
ATOM	1491	C	LEU				-18.343			
ATOM	1492	0	LEU				-17.681	31.155 33.333		
ATOM	1493	N	ILE				-17.820	33.510		
ATOM	1494	CA	ILE				-16.376			
MOTA	1495	CB					-15.892			
ATOM	1496		ILE				-16.232	32.898		
ATOM	1497		ILE				-16.192	31.459		
MOTA	1498	CG2					-14.395	34.171		
ATOM	1499	С	ILE				-15.933	34.604		
MOTA	1500	0	ILE				-16.507	35.688		
ATOM	1501	N	ARG				-14.886	34.299		
MOTA	1502	CA	ARG				-14.324	35.320		
ATOM	1503	CB	ARG				-14.091	34.768		
MOTA	1504	CG	ARG				-14.797	35.562		
MOTA	1505	CD	ARG				-15.183	34.654		
MOTA	1506	NE	ARG				-16.289	35.220		
MOTA	1507	CZ	ARG	A	202	19.961	-17.201	34.435	1.000	60.48

ATOM	1508	N1111	מ ישמע	202	10 010	17 100	22 110	1 000	EO 20
			ARG A			-17.100			50.30
ATOM	1509		ARG A			-18.191		1.000	
ATOM	1510	C	ARG A			-13.023		1.000	
MOTA	1511	0	ARG A			-12.219	35.007		
MOTA	1512	N	HIS A			-12.858		1.000	
MOTA	1513	CA	HIS A			-11.690	37.815		
MOTA	1514	CB	HIS A			-12.145	38.770	1.000	22.13
ATOM	1515	CG	HIS A		11.824	-11.117	39.389		
MOTA	1516	ND1	HIS A	203	12.146	-10.463	40.554	1.000	20.07
MOTA	1517	CE1	HIS A	203	11.186	-9.616	40.875	1.000	23.08
MOTA	1518	NE2	HIS A	203	10.240	-9.697	39.959	1.000	27.63
MOTA	1519	CD2	HIS A	203	10.611	-10.629	39.022	1.000	25.25
ATOM	1520	С	HIS A	203	14.894	-10.952	38.579	1.000	27.02
ATOM	1521	0	HIS A	203		-11.548	39.447		18.53
ATOM	1522	N	PHE A		15.086	-9.691	38.246		21.78
MOTA	1523	CA	PHE A		16.068	-8.796	38.840		16.28
MOTA	1524	СВ	PHE A		16.891	-8.101	37.742		
ATOM	1525	CG	PHE A		17.526	-9.112	36.813		
ATOM	1526		PHE A		16.899	-9.466	35.632		
ATOM	1527		PHE A			-10.397	34.790		
ATOM	1528	CZ	PHE A			-10.979	35.123		
ATOM	1529		PHE A			-10.639	36.303		
ATOM	1530		PHE A		18.744				
		CD2				-9.699	37.136		
ATOM	1531		PHE A		15.378	-7.752	39.707		16.41
ATOM	1532	0	PHE A		14.748	-6.809	39.223		
ATOM	1533	N	HIS A		15.514	<b>-7.930</b>	41.006		
ATOM	1534	CA	HIS A		14.879	-7.081	41.998		
ATOM	1535	CB	HIS A		14.118	-7.987	42.982		14.31
ATOM	1536	CG	HIS A		13.201	-7.221	43.887		25.21
ATOM	1537		HIS A		12.631	-7.784	45.009	1.000	
MOTA	1538		HIS A		11.882	-6.885	45.611		
ATOM	1539		HIS A		11.939	-5.756	44.927	1.000	
ATOM	1540		HIS A		12.761	-5.949	43.845	1.000	
ATOM	1541	С	HIS A		15.867	-6.211	42.764	1.000	
ATOM	1542	0	HIS A		16.535	-6.668	43.697	1.000	
ATOM	1543	N	TYR A		15.950	-4.954	42.359		
MOTA	1544	CA	TYR A	206	16.705	-3.918	43.045	1.000	26.77
MOTA	1545	CB	TYR A	206	16.849	-2.707		1.000	
MOTA	1546	CG	TYR A		17.810	-1.643	42.603		
MOTA	1547	CD1	TYR A		19.177	-1.758	42.349	1.000	21.06
MOTA	1548	CE1	TYR A	206	20.048	-0.774	42.779	1.000	26.02
ATOM	1549	CZ	TYR A	206	19.551	0.320	43.457	1.000	28.32
ATOM	1550	OH	TYR A	206	20.406	1.309	43.883	1.000	33.26
ATOM	1551	CE2	TYR A	206	18.201	0.452	43.715	1.000	31.83
ATOM	1552	CD2	TYR A	206	17.330	-0.534	43.289	1.000	30.09
ATOM	1553	С	TYR A	206	15.978	-3.521	44.324	1.000	32.60
ATOM	1554	0	TYR A	206	14.893	-2.942	44.266		
ATOM	1555	N	THR A		16.574	-3.858	45.460		
ATOM	1556	CA	THR A		15.870	-3.793	46.729		
ATOM	1557	СВ	THR A		16.205	-5.071	47.535		
ATOM	1558		THR A		17.627	-5.263	47.486		
ATOM	1559		THR A		15.545	-6.290	46.917		
				_ ,		0.250			10.10

ATOM	1560	С	THR	Α	207	16.214	-2.599	47.604		
MOTA	1561	0	THR	Α	207	15.790	-2.560	48.768	1.000	33.25
ATOM	1562	N	VAL	Α	208	16.982	-1.633	47.105	1.000	38.87
MOTA	1563	CA	VAL	Α	208	17.495	-0.587	47.986	1.000	42.20
ATOM	1564	СВ	VAL	Α	208	19.001	-0.829	48.254	1.000	38.89
MOTA	1565	CG1	VAL	Α	208	19.208	-2.188	48.913	1.000	29.05
MOTA	1566		VAL			19.810	-0.734	46.973	1.000	32.10
ATOM	1567	C	VAL			17.304	0.826	47.464	1.000	41.85
ATOM	1568	0	VAL			18.055	1.725	47.850	1.000	
ATOM	1569	N	TRP			16.329	1.095		1.000	38.83
ATOM	1570	CA	TRP			16.039	2.473	46.199		
ATOM	1571	CB	TRP			15.037	2.480		1.000	
ATOM	1572	CG	TRP			15.042	3.683	44.170	1.000	
MOTA	1573	CD1	TRP			14.710	4.963	44.509		
ATOM	1574	NE1	TRP			14.840	5.788	43.417	1.000	
ATOM	1575	CE2	TRP			15.261	5.047		1.000	
		CD2	TRP			15.399	3.717	42.779		
ATOM	1576		TRP			15.821	2.749		1.000	
ATOM	1577	CE3					3.142	40.564	1.000	
ATOM	1578	CZ3	TRP			16.086		40.159		
ATOM	1579	CH2	TRP			15.939	4.478		1.000	
MOTA	1580	CZ2	TRP			15.527	5.448	41.033		
ATOM	1581	C	TRP			15.490	3.239	47.397	1.000	
MOTA	1582	0	TRP			14.515	2.795	48.008	1.000	
ATOM	1583	N	PRO			16.069	4.369		1.000	
MOTA	1584	CA	PRO			15.624	5.061	48.987	1.000	
MOTA	1585	CB	PRO			16.456	6.345	48.988	1.000	
ATOM	1586	CG	PRO			17.633	6.063	48.123	1.000	
MOTA	1587	CD	PRO			17.160	5.078	47.088	1.000	
ATOM	1588	С	PRO			14.140	5.412	48.940	1.000	
MOTA	1589	0	PRO			13.515	5.321		1.000	
ATOM	1590	N	ASP			13.590	5.820	50.081	1.000	
MOTA	1591	CA	ASP			12.183	6.214		1.000	
MOTA	1592	CB	ASP			11.720	6.296		1.000	
ATOM	1593	CG	ASP			11.048	5.030	52.100	1.000	
MOTA	1594	OD1	ASP			10.660	4.976		1.000	
ATOM	1595	OD2	ASP	Α	211	10.905	4.079	51.306	1.000	
MOTA	1596	С	ASP	Α	211	11.959	7.551	49.457		52.82
MOTA	1597	0	ASP	A	211	10.896	7.882	48.937	1.000	
MOTA	1598	N	HIS			13.020	8.351	49.446		
MOTA	1599	CA	HIS	A	212	12.961	9.675	48.845		
MOTA	1600	CB	HIS	А	212	12.846	10.746	49.934		
MOTA	1601	CG	HIS	Α	212	12.681	10.177	51.311		
MOTA	1602	ND1	HIS	Α	212	11.458	10.093		1.000	
MOTA	1603	CE1	HIS	Α	212	11.610	9.555	53.133		
MOTA	1604	NE2	HIS	Α	212	12.890	9.277	53.307	1.000	79.40
MOTA	1605	CD2	HIS	Α	212	13.578	9.660	52.180	1.000	77.05
MOTA	1606	С	HIS			14.197	9.908	47.986	1.000	46.17
ATOM	1607	0	HIS			15.310	9.572	48.392	1.000	42.06
ATOM	1608	N	GLY			13.992	10.472	46.799	1.000	43.66
ATOM	1609	CA	GLY			15.091	10.704	45.885		
ATOM	1610	C	GLY			15.654	9.421	45.299		
ATOM	1611	Ō	GLY			15.050	8.357	45.431		
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ATOM	1612	N	VAL	Α	214	16.804	9.569	44.663	1.000	40.78
MOTA	1613	CA	VAL	Α	214	17.476	8.540	43.881	1.000	37.49
MOTA	1614	CB	VAL	Α	214	18.098	9.200	42.644	1.000	31.11
MOTA	1615	CG1	VAL	Α	214	17.047	10.031	41.917	1.000	31.20
MOTA	1616	CG2	VAL	Α	214	19.284	10.056	43.059	1.000	42.36
MOTA	1617	С		Α	214	18.526	7.827	44.715	1.000	45.89
ATOM	1618	0			214	18.953	8.384	45.729	1.000	57.46
ATOM	1619	N			215	18.933	6.624	44.333		
ATOM	1620	CA			215	19.764	5.782		1.000	
ATOM	1621	CB			215	20.251	4.672	44.247		
ATOM	1622	CG			215	19.225	4.606		1.000	
ATOM	1623	CD			215	18.636	5.975	43.041		
	1624	C			215	21.003	6.478	45.755		
ATOM		0			215	21.508	7.427	45.759		
ATOM	1625									
ATOM	1626	N			216	21.427	5.942	46.886		
ATOM	1627	CA			216	22.569	6.331		1.000	
ATOM	1628	CB			216	23.016	5.168	48.587		
MOTA	1629	CG			216	24.008	5.566	49.666		
MOTA	1630	CD			216	25.143	4.586	49.863		
MOTA	1631		GLU			24.891	3.377	50.036		49.54
ATOM	1632	OE2			216	26.314	5.036	49.867		70.82
MOTA	1633	С			216	23.739	6.782	46.818		54.66
ATOM	1634	0			216	24.238	7.895	46.980		48.01
ATOM	1635	N			217	24.155	5.905	45.908		43.30
MOTA	1636	CA			217	25.239	6.207	44.989		
ATOM	1637	CB	THR	Α	217	26.492	5.353	45.264	1.000	40.90
ATOM	1638	OG1	THR	Α	217	26.180	3.960	45.083	1.000	41.85
MOTA	1639	CG2	THR	Α	217	26.966	5.527	46.698	1.000	28.03
ATOM	1640	С	THR	Α	217	24.823	5.970	43.535	1.000	42.76
ATOM	1641	0	THR	A	217	23.831	5.299	43.269	1.000	55.29
MOTA	1642	N	THR	A	218	25.612	6.524	42.625	1.000	38.69
ATOM	1643	CA	THR	A	218	25.506	6.280	41.199	1.000	46.38
ATOM	1644	СВ	THR	Α	218	26.407	7.242	40.399	1.000	48.77
MOTA	1645	OG1	THR	A	218	27.771	7.133	40.833	1.000	31.20
ATOM	1646	CG2	THR	Α	218	26.004	8.690	40.634	1.000	44.45
ATOM	1647	С			218	25.887	4.831	40.882	1.000	40.27
ATOM	1648	0	THR	A	218	25.248	4.124	40.099	1.000	43.37
ATOM	1649	N	GLN	Α	219	26.962	4.401	41.524	1.000	36.77
ATOM	1650	CA			219	27.592	3.095		1.000	40.35
ATOM	1651	СВ	GLN			28.841	3.052			
ATOM	1652	CG			219	29.392	1.680	42.538		
ATOM	1653	CD			219	30.902	1.629	42.393		
ATOM	1654		GLN			31.414	1.573	41.274		
ATOM	1655		GLN			31.593	1.640	43.527		
ATOM	1656	C			219	26.621	1.959	41.619		
	1657	0	GLN			26.618	0.907	40.977		
ATOM ATOM					220	25.739	2.146	42.596		
	1658	N CA			220	24.720	1.164	42.929		
MOTA	1659	CA				23.845		44.049		
MOTA	1660	CB			220		1.739	44.049		
ATOM	1661	OG	SER			22.837	0.814			
MOTA	1662	С	SER			23.860	0.792	41.727		
ATOM	1663	0	SER	Α	220	23.745	-0.378	41.354	1.000	31.36

ATOM	1664	N	LEU .	A 22	23.247	1.800	41.104 1.000 34.26
ATOM	1665	CA	LEU .	A 22	22.404	1.571	39.940 1.000 32.25
ATOM	1666	СВ	LEU .			2.764	39.648 1.000 25.67
ATOM	1667	CG	LEU .			2.430	38.705 1.000 23.74
						1.312	39.303 1.000 18.81
ATOM	1668		LEU .				
ATOM	1669		LEU .			3.672	38.420 1.000 28.95
ATOM	1670	С	LEU .	A 22		1.270	38.700 1.000 36.04
ATOM	1671	0	LEU .	A 22	22.797	0.534	37.806 1.000 29.22
MOTA	1672	N	ILE .	A 22	24.446	1.845	38.637 1.000 33.99
ATOM	1673	CA	ILE .	A 22	25.231	1.532	37.445 1.000 25.77
ATOM	1674	СВ	ILE .			2.282	37.364 1.000 24.00
ATOM	1675	CG1	ILE .			3.748	36.963 1.000 25.72
	1676	CD1	ILE .			4.638	37.512 1.000 30.84
ATOM						1.556	36.405 1.000 31.40
ATOM	1677	CG2	ILE .				
ATOM	1678	С	ILE .			0.027	37.382 1.000 27.84
MOTA	1679	0	ILE .			-0.541	36.293 1.000 29.04
MOTA	1680	N	GLN .	A 22		-0.572	38.525 1.000 25.48
ATOM	1681	CA	GLN .	A 22	3 26.120	-1.982	38.660 1.000 27.33
MOTA	1682	CB	GLN .	A 22	3 26.628	-2.245	40.091 1.000 32.58
MOTA	1683	CG	GLN .	A 22	3 28.119	-1.965	40.240 1.000 37.66
ATOM	1684	CD	GLN .			-1.836	38.896 1.000 40.45
MOTA	1685	OE1				-2.759	38.076 1.000 70.90
		NE2	GLN .			-0.693	38.657 1.000 56.51
ATOM	1686					-2.916	38.387 1.000 25.59
MOTA	1687	C	GLN .				
ATOM	1688	0	GLN .			-3.940	37.712 1.000 26.61
MOTA	1689	И	PHE .			-2.560	38.945 1.000 23.53
ATOM	1690	CA	PHE .			-3.328	38.637 1.000 26.71
MOTA	1691	CB	PHE .	A 22	21.408	-2.714	39.374 1.000 23.63
MOTA	1692	CG	PHE .	A 22	20.093	-3.429	39.226 1.000 23.65
MOTA	1693	CD1	PHE .	A 22	19.892	-4.676	39.789 1.000 26.30
ATOM	1694	CE1	PHE .			-5.341	39.670 1.000 23.27
MOTA	1695	CZ	PHE .			-4.747	38.963 1.000 22.78
ATOM	1696	CE2	PHE .			-3.504	38.397 1.000 21.02
	1697	CD2				-2.842	38.529 1.000 17.14
ATOM						-3.340	37.135 1.000 29.21
ATOM	1698	С	PHE .				
MOTA	1699	0	PHE .			-4.385	
ATOM	1700	N	VAL .			-2.147	36.539 1.000 29.45
ATOM	1701	CA	VAL .	A 22		-2.057	35.103 1.000 23.17
ATOM	1702	CB	VAL .	A 22	22.017	-0.597	34.616 1.000 27.27
ATOM	1703	CG1	VAL .	A 22	22.186	-0.539	33.112 1.000 19.10
ATOM	1704	CG2	VAL .	A 22	20.732	0.108	35.045 1.000 33.43
ATOM	1705	С	VAL .	A 22	22.985	-2.871	34.273 1.000 28.40
ATOM	1706	Ō	VAL .			-3.638	33.400 1.000 25.05
	1707	N	ARG .			-2.724	34.517 1.000 31.38
ATOM						-3.513	33.780 1.000 34.53
ATOM	1708	CA	ARG .				34.173 1.000 31.80
ATOM	1709	CB	ARG .			-3.147	
ATOM	1710	CG	ARG .			-1.771	33.762 1.000 33.34
ATOM	1711	CD	ARG .			-1.716	33.673 1.000 47.45
ATOM	1712	NE	ARG .	A 22		-0.365	33.600 1.000 56.24
ATOM	1713	CZ	ARG .	A 22	29.961	0.232	34.542 1.000 62.79
ATOM	1714	NH1	ARG .	A 22	30.261	-0.370	35.686 1.000 50.14
ATOM	1715		ARG .			1.471	34.354 1.000 74.65

ATOM	1716	С	ARG A	A 226	i	25.054	-5.011	34.010	1.000	23.44
MOTA	1717	0	ARG 2			25.301	-5.826	33.118	1.000	30.89
ATOM	1718	N	THR A			24.582	-5.377	35.195	1.000	21.86
ATOM	1719	CA	THR A			24.250	-6.761	35.521	1.000	31.38
ATOM	1720	CB	THR A			23.825	-6.921	36.994	1.000	
ATOM	1721	OG1	THR Z			24.903	-6.608	37.874	1.000	
		CG2	THR A			23.457	-8.365			22.45
MOTA	1722					23.108	-7.250	34.627		32.76
MOTA	1723	C	THR A				-8.240		1.000	27.21
ATOM	1724	0	THR I			23.237				22.99
ATOM	1725	N	VAL			21.985	-6.526	34.679		
ATOM	1726	CA	VAL			20.814	-6.869	33.886		22.33
ATOM	1727	CB	VAL A			19.627	-5.922	34.162		
MOTA	1728		VAL A			18.466	-6.213	33.221		
MOTA	1729		VAL I			19.192	-6.066	35.605	1.000	18.46
ATOM	1730	С	VAL A	A 228		21.140	-6.859	32.397	1.000	
MOTA	1731	0	VAL 2	A 228		20.766	-7.790	31.686		22.44
ATOM	1732	N	ARG A	A 229	)	21.821	-5.824	31.914		19.91
ATOM	1733	CA	ARG A	A 229	)	22.183	<b>-</b> 5.792	30.489	1.000	30.48
MOTA	1734	CB	ARG A	A 229	)	22.877	-4.480	30.149	1.000	30.12
ATOM	1735	CG	ARG A	A 229	l	23.502	-4.301	28.786	1.000	28.02
MOTA	1736	CD	ARG I	A 229	ı	22.590	-4.596	27.614	1.000	26.85
ATOM	1737	NE	ARG Z	A 229	)	21.290	-3.951	27.719	1.000	26.70
ATOM	1738	CZ	ARG 2	A 229	)	20.267	-4.199	26.913	1.000	27.29
ATOM	1739		ARG A	A 229	)	20.394	-5.079	25.930	1.000	20.12
ATOM	1740		ARG A			19.110	-3.573	27.076		22.84
ATOM	1741	C	ARG A			23.041	-7.010	30.156		
ATOM	1742	0	ARG A			22.988	-7.552	29.053	1.000	34.86
MOTA	1743	N	ASP A			23.842	-7.483	31.114		40.71
ATOM	1744	CA	ASP A			24.637	-8.682	30.882	1.000	
ATOM	1745	CB	ASP A			25.480	-9.003	32.118	1.000	
ATOM	1746	CG	ASP A				-10.044	31.824		
ATOM	1747	OD1	ASP A				-10.046	32.528		73.82
ATOM	1748		ASP A				-10.865	30.899		
ATOM	1749	C	ASP A			23.761	-9.882	30.547	1.000	32.41
ATOM	1750	0	ASP I				-10.629	29.598	1.000	36.42
	1751	N	TYR A				-10.093	31.342		
MOTA	1752		TYR A				-11.200	31.103		
MOTA		CA	TYR A				-11.375	32.314		25.55
ATOM	1753	CB	TYR A				-12.058	33.498		21.52
ATOM	1754	CG					-11.325	34.429		
ATOM	1755		TYR A					35.516		
ATOM	1756		TYR A				-11.956	35.684		
MOTA	1757	CZ	TYR A				-13.315			
ATOM	1758	ОН	TYR A				-13.934	36.770		
ATOM	1759	CE2					-14.060	34.765		
ATOM	1760		TYR A				-13.431	33.678		
ATOM	1761	С	TYR A				-10.997	29.866		
MOTA	1762	0	TYR I				-11.948	29.137		
ATOM	1763	N	ILE A			20.502	-9.768	29.602		
ATOM	1764	CA	ILE Z			19.713	-9.542	28.388		
ATOM	1765	CB	ILE A			19.309	-8.068	28.191		
ATOM	1766		ILE A			18.283	-7.551	29.204		
ATOM	1767	CD1	ILE A	A 232		18.300	-6.047	29.371	1.000	26.31

ATOM	1768	CG2	ILE P	232	18.81	L -7.833	26.772	1.000	16.63
ATOM	1769	С	ILE P	232	20.49	7 -9.985	27.153	1.000	25.92
ATOM	1770	0	ILE A			2 -10.719	26.311	1.000	22.41
	1771	N	ASN A		21.74		27.075	1.000	
ATOM							25.900	1.000	
ATOM	1772	CA	ASN A		22.573				
MOTA	1773	CB	ASN A		23.93		26.027	1.000	
ATOM	1774	CG	ASN A	233	23.89	L -7.603	25.830	1.000	
ATOM	1775	OD1	ASN A	233	22.990	7.064	25.190	1.000	42.73
ATOM	1776	ND2	ASN A	233	24.873	3 -6.892	26.379	1.000	33.97
ATOM	1777	С	ASN A	233	22.75	7 -11.289	25.690	1.000	36.07
ATOM	1778	0	ASN A		22.998		24.575	1.000	43.18
ATOM	1779	N	ARG A			7 -12.049	26.765	1.000	37.01
	1780	CA	ARG A			2 -13.496	26.771	1.000	31.16
MOTA							28.046	1.000	30.18
ATOM	1781	CB	ARG A		23.40				
MOTA	1782	CG	ARG A			7 -13.308	28.235	1.000	40.73
ATOM	1783	CD	ARG A		25.51		29.429	1.000	
MOTA	1784	NE	ARG A	234	26.70		29.729	1.000	58.87
MOTA	1785	CZ	ARG A	234	27.879	9 -13.610	30.055	1.000	65.29
ATOM	1786	NH1	ARG A	234	28.006	5 -14.931	30.122	1.000	53.28
ATOM	1787	NH2	ARG A	234	28.913	3 -12.818	30.313	1.000	60.98
ATOM	1788	С	ARG A		21.320	-14.122	26.695	1.000	30.94
ATOM	1789	Ō	ARG A			-15.307	26.977	1.000	24.57
ATOM	1790	N	SER A			7 -13.346	26.303	1.000	
	1791	CA	SER A		18.990		26.162	1.000	
ATOM						· ·			
ATOM	1792	CB	SER A			9 -13.293	27.058	1.000	
MOTA	1793	OG	SER A			7 -13.227	28.416	1.000	33.56
ATOM	1794	С	SER A			3 -13.913	24.704		32.45
ATOM	1795	0	SER A	235		5 -13.135	24.420	1.000	33.61
MOTA	1796	N	PRO A	236		5 -14.685	23.805	1.000	44.30
ATOM	1797	CA	PRO A	236	18.740	-14.662	22.393	1.000	39.17
ATOM	1798	СВ	PRO A	236	19.695	5 -15.646	21.714	1.000	48.74
ATOM	1799	CG	PRO A	236	20.068	3 -16.584	22.822	1.000	52.35
ATOM	1800	CD	PRO A	236	20.220		24.009	1.000	52.02
ATOM	1801	C	PRO A			2 -15.175	22.233	1.000	
ATOM	1802	Ö	PRO A		16.908		22.941	1.000	
ATOM	1802	N	GLY A		16.590		21.309	1.000	
	1803		GLY A		15.214		21.050	1.000	
ATOM		CA				3 -14.388	22.054	1.000	26.14
ATOM	1805	С	GLY A						
ATOM	1806	0	GLY A			-14.623			33.46
ATOM	1807	N	ALA A			-13.642	23.069		
ATOM	1808	CA	ALA A			9 -13.094	24.042		
ATOM	1809	CB	ALA A	238	14.491	-12.542	25.253		
ATOM	1810	С	ALA A	238	12.860	-11.987	23.485	1.000	22.13
ATOM	1811	0	ALA A	238	13.305	-11.162	22.683	1.000	22.14
ATOM	1812	N	GLY A	239	11.599	-11.944	23.922	1.000	22.60
ATOM	1813	CA	GLY A			-10.755	23.654	1.000	19.77
ATOM	1814	C	GLY A		11.314		24.475		
ATOM	1815	0	GLY A		12.456		24.931		
	1816	N	PRO A		10.501		24.664		
ATOM			PRO A		10.904		25.418		
MOTA	1817	CA					25.416		
ATOM	1818	CB	PRO A		9.645				
ATOM	1819	CG	PRO A	240	8.855	-6.953	24.270	1.000	∠6.50

ATOM	1820	CD			240	9.1		.425	24.156		
ATOM	1821	С	PRO	Α	240	11.2	261 -7	.689	26.866	1.000	24.79
ATOM	1822	0	PRO	Α	240	10.7	775 -8	.644	27.466	1.000	18.83
ATOM	1823	N	THR	. A	241	12.1	30 -6	.846	27.414	1.000	24.76
ATOM	1824	CA	THR	A	241	12.4	152 -6	.849	28.822	1.000	19.34
ATOM	1825	СВ			241	13.7		.140	29.127		24.33
ATOM	1826	OG1			241	14.8		.786	28.430		21.31
ATOM	1827	CG2			241	14.1		.254	30.618		17.13
ATOM	1828	C			241	11.3		.124	29.598		19.74
ATOM	1829	0			241	11.0		.964	29.314	1.000	18.65
ATOM	1830	N			242	10.7		.769	30.576		19.16
	1831	CA			242	9.7		.070	31.381		
ATOM											
ATOM	1832	CB			242	8.6		.016	32.012		25.33
ATOM	1833	CG1			242	7.9		.283	33.087		13.96
ATOM	1834	CG2			242	7.7		.573	30.936		18.53
ATOM	1835	С			242	10.4		.311	32.515		22.81
ATOM	1836	0			242	11.2		.907	33.245		15.62
ATOM	1837	N			243	10.1		.032	32.656		16.25
ATOM	1838	CA			243	10.6		.200	33.733		14.93
ATOM	1839	CB			243	11.5		.058	33.233		19.66
ATOM	1840	CG1	VAL	Α	243	12.1	45 -1	.357	34.424	1.000	17.79
ATOM	1841	CG2	VAL	Α	243	12.5	51 -2	.600	32.271	1.000	16.83
MOTA	1842	С	VAL	Α	243	9.4	37 -2	.590	34.489	1.000	18.40
ATOM	1843	0	VAL	Α	243	8.5	22 -2	.079	33.856	1.000	17.50
ATOM	1844	N	HIS	Α	244	9.4	69 -2	.655	35.821	1.000	14.50
ATOM	1845	CA	HIS	Α	244	8.3	88 -2	.005	36.543	1.000	19.33
ATOM	1846	CB			244	7.2		.952	36.704	1.000	15.76
ATOM	1847	CG			244	7.3		.005	37.749	1.000	15.99
ATOM	1848	ND1				7.0		.783			16.28
ATOM	1849		HIS			7.2		.893	39.761	1.000	23.84
ATOM	1850	NE2				7.7		.820	38.934	1.000	18.37
ATOM	1851	CD2	HIS			7.7		.289	37.665	1.000	12.59
ATOM	1852	C			244	8.8		.514	37.906		22.68
ATOM	1853	0			244	9.8		.996	38.398	1.000	22.27
ATOM	1854	N			245	8.1		.563	38.448		22.48
ATOM	1855	CA			245	8.2		.136	39.836	1.000	
ATOM	1856	CB			245	8.8		.241	39.990		16.47
ATOM	1857	SG	CYS			8.2		.535		1.000	26.22
ATOM		C						.194			
	1858		CYS			6.8				1.000	
ATOM	1859	0	CYS			6.0		.173	40.153		
ATOM	1860	N			246	6.3		.833	41.132		17.80
ATOM	1861	CA	SER			4.9		.806	41.607		11.67
ATOM	1862	CB	SER			4.8		.726	42.821		
ATOM	1863	OG	SER			3.5		. 643	43.393		
ATOM	1864	С	SER			4.0		.208	40.501		11.21
ATOM	1865	0	SER	A	246	3.0		.510	40.185		20.25
ATOM	1866	N	ALA			4.2		.377	39.909		15.30
ATOM	1867	CA	ALA	А	247	3.4	55 2.	.947	38.871	1.000	13.07
ATOM	1868	СВ	ALA	Α	247	3.3	02 4.	.446	39.102	1.000	23.22
ATOM	1869	С	ALA	Α	247	4.0	08 2.	.710	37.468	1.000	17.09
ATOM	1870	0	ALA	Α	247	3.2			36.473		
MOTA	1871	N	GLY			5.3			37.353		
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ATOM	1872	CA			248	5.920				
MOTA	1873	С	$\operatorname{GLY}$	Α	248	6.329	3.497		1.000	
MOTA	1874	0	GLY	Α	248	6.20	3.654	34.200	1.000	29.60
ATOM	1875	N	VAL	Α	249	6.828	3 4.410	36.242	1.000	24.91
ATOM	1876	CA	VAL	Α	249	7.165	5.771	35.893	1.000	28.97
ATOM	1877	СВ			249	6.349		36.799	1.000	36.67
MOTA	1878		VAL			4.984				26.78
ATOM	1879		VAL			6.223				
ATOM	1880	C			249	8.635				
ATOM	1881	0			249	9.456			1.000	
					250	8.941				
ATOM	1882	N								19.59
ATOM	1883	CA			250	10.149				14.84
MOTA	1884	С			250	11.344				
MOTA	1885	0			250	12.267				
ATOM	1886	N	ARG			11.280				
ATOM	1887	CA			251	12.347			1.000	
ATOM	1888	CB			251	12.096				
MOTA	1889	CG			251	11.869				
MOTA	1890	CD	ARG	Α	251	11.653	3.670			
ATOM	1891	NE	ARG	Α	251	11.390	4.352	43.679	1.000	22.88
MOTA	1892	CZ	ARG	Α	251	11.100	3.675	44.791	1.000	22.64
ATOM	1893	NH1	ARG	Α	251	11.042	2.354	44.756	1.000	26.67
ATOM	1894	NH2	ARG	Α	251	10.865	4.301	45.931	1.000	21.50
ATOM	1895	С	ARG	Α	251	12.517	7 3.790	37.513	1.000	19.15
ATOM	1896	0	ARG			13.649			1.000	23.13
MOTA	1897	N			252	11.409				18.67
ATOM	1898	CA			252	11.482				
MOTA	1899	CB			252	10.103				
ATOM	1900	OG1	THR			9.706				
ATOM	1901	CG2			252	10.127				
ATOM	1902	C			252	12.101				
	1903	0			252	13.001				
ATOM					253	11.627				19.06
MOTA	1904	N C7			253	12.124				
ATOM	1905	CA								
MOTA	1906	С			253	13.619				
ATOM	1907	0			253	14.370				20.33
ATOM	1908	N	_		254	14.036				
ATOM	1909	CA	THR			15.433				
ATOM	1910	СВ	THR			15.546				
MOTA	1911		THR			14.879				
ATOM	1912	CG2	THR			16.993				
MOTA	1913	С	THR	Α	254	16.300				
ATOM	1914	0	THR	Α	254	17.389	9 4.928			
ATOM	1915	N	PHE	Α	255	15.811	L 3.671	35.094	1.000	18.65
ATOM	1916	CA	PHE	Α	255	16.498	2.433	34.780	1.000	13.27
ATOM	1917	СВ	PHE	Α	255	15.709	9 1.219	35.277	1.000	13.04
MOTA	1918	CG			255	16.305	-0.125	34.923	1.000	21.43
ATOM	1919		PHE			17.222		35.783	1.000	22.29
ATOM	1920		PHE			17.786				
ATOM	1921	CZ			255	17.476				
ATOM	1922		PHE			16.558				
ATOM	1923		PHE			15.987				
	1727	-55	~			20.50	2.000			

		_		_		16 701	0 000	22 277	1 000	22 01
MOTA	1924	С	PHE A			16.721	2.323	33.277		
MOTA	1925	0	PHE I			17.791	1.918			
MOTA	1926	N	ILE A			15.665	2.620		1.000	
MOTA	1927	CA	ILE A			15.794	2.334	31.082	1.000	
MOTA	1928	CB	ILE A			14.462	2.211	30.336	1.000	
MOTA	1929	CG1	ILE A	A	256	13.667	0.941	30.657		26.28
MOTA	1930	CD1	ILE A	Α	256	12.210	1.020	30.221	1.000	23.52
MOTA	1931	CG2	ILE A	A	256	14.666	2.310	28.823	1.000	17.05
MOTA	1932	С	ILE A	Α	256	16.666	3.412	30.439	1.000	14.97
ATOM	1933	0	ILE A	A	256	17.470	3.058	29.575	1.000	20.35
ATOM	1934	N	ALA A	A	257	16.489	4.659	30.864	1.000	16.95
ATOM	1935	CA	ALA A			17.365	5.725	30.354	1.000	13.62
ATOM	1936	СВ	ALA A			16.973	7.077	30.894	1.000	16.03
ATOM	1937	C	ALA A			18.811	5.373	30.689	1.000	20.04
ATOM	1938	0	ALA			19.713	5.497	29.866	1.000	24.71
ATOM	1939	N	LEU A			19.083	4.886	31.908	1.000	
ATOM	1940	CA	LEU A			20.490	4.560	32.186	1.000	25.52
ATOM	1941	CB	LEU A			20.723	4.299	33.673	1.000	29.22
	1941	CG	LEU A			22.171	4.177	34.151	1.000	33.36
MOTA	1942	CD1	LEU A			23.069	5.186	33.453	1.000	17.44
ATOM			LEU A			22.268	4.363	35.660	1.000	
ATOM	1944	CD2					3.377	31.336	1.000	
ATOM	1945	C	LEU A			20.931			1.000	
MOTA	1946	0	LEU A			22.020	3.447	30.768		19.82
MOTA	1947	N	ASP A			20.130	2.316	31.238		
MOTA	1948	CA	ASP A			20.524	1.155	30.439		21.21
MOTA	1949	CB	ASP A			19.441	0.080	30.461	1.000	26.62
MOTA	1950	CG	ASP I			19.716	-1.155	29.637	1.000	33.72
MOTA	1951	OD1	ASP A			20.883	-1.598	29.573		35.74
MOTA	1952		ASP A			18.758	-1.719	29.046	1.000	
MOTA	1953	С	ASP A			20.832	1.579	29.010	1.000	
MOTA	1954	0	ASP A			21.742	1.052	28.372	1.000	
MOTA	1955	N	ARG 2			20.070	2.539	28.506	1.000	
MOTA	1956	CA	ARG A	A	260	20.230	3.024	27.138	1.000	
ATOM	1957	CB	ARG A	A	260	19.028	3.897	26.771	1.000	
MOTA	1958	CG	ARG Z	A	260	17.920	3.218	25.983	1.000	37.83
MOTA	1959	CD	ARG A	A	260	17.815	3.892	24.612	1.000	
MOTA	1960	NE	ARG A	Α	260	16.447	4.236	24.289	1.000	39.10
MOTA	1961	CZ	ARG Z	A	260	15.997	5.081	23.376	1.000	37.92
MOTA	1962	NH1	ARG Z	Α	260	16.820	5.759	22.595	1.000	44.18
ATOM	1963	NH2	ARG A	Α	260	14.682	5.235	23.257	1.000	38.91
MOTA	1964	С	ARG A	Ą	260	21.503	3.834	26.932	1.000	28.89
MOTA	1965	0	ARG 2	A	260	22.183	3.707	25.913	1.000	28.43
ATOM	1966	N	ILE A	Α	261	21.850	4.713	27.878	1.000	31.24
ATOM	1967	CA	ILE A	Α	261	23.011	5.568	27.644	1.000	32.00
ATOM	1968	СВ	ILE A			23.003	6.871	28.463	1.000	30.49
ATOM	1969	CG1				23.174	6.692	29.969	1.000	33.74
ATOM	1970	CD1				22.668	7.864	30.782		
ATOM	1971	CG2	ILE A			21.747	7.669	28.142		
ATOM	1972	C	ILE A			24.311	4.827	27.939		
ATOM	1973	Ö	ILE A			25.293	5.061	27.228		
ATOM	1974	N	LEU A			24.317	3.958	28.951		
ATOM	1975	CA	LEU A			25.541	3.189	29.202		
AION	1717	CA	110 1		202	20.041	3.103			· ·

ATOM	1976	CB	LEU	Α	262	25.411	2.219	30.368	1.000	29.63
ATOM	1977	CG	LEU	Α	262	25.330	2.760	31.793	1.000	38.46
MOTA	1978	CD1	LEU	Α	262	25.371	1.630	32.815	1.000	28.64
ATOM	1979	CD2	LEU	Α	262	26.441	3.762	32.059	1.000	34.63
ATOM	1980	С	LEU	Α	262	25.912	2.424	27.931	1.000	37.42
ATOM	1981	0	LEU	Α	262	27.090	2.228	27.640	1.000	48.70
ATOM	1982	N			263	24.900	1.987	27.183	1.000	
ATOM	1983	CA			263	25.151	1.267	25.943		38.78
ATOM	1984	СВ			263	23.875	0.706	25.322		30.36
ATOM	1985	CG			263	23.653	-0.767	25.637	1.000	
ATOM	1986	CD			263	22.223	-1.212	25.423		28.10
ATOM	1987	OE1			263	21.946	-1.976	24.500	1.000	30.64
ATOM	1988	NE2			263	21.304	-0.760	26.273		33.75
ATOM	1989	C			263	25.827	2.190	24.934		44.56
ATOM	1990	0			263	26.667	1.744	24.161		46.96
ATOM	1991	N			264	25.420		24.101		
ATOM	1992	CA				25.420	3.455			42.51
	1993				264		4.431	24.033		47.48
ATOM	1993	CB			264	25.220	5.773	24.152		
ATOM		CG			264	23.957	5.807	23.303		37.99
ATOM	1995	CD			264	23.060	6.989	23.591		42.10
ATOM	1996	OE1				23.477	7.972		1.000	41.41
ATOM	1997		GLN			21.814	6.899		1.000	
ATOM	1998	C			264	27.452	4.610			50.33
ATOM	1999	0	GLN			28.253	4.493		1.000	38.61
ATOM	2000	N	LEU			27.777	4.876			49.87
ATOM	2001	CA	LEU			29.118	5.176	25.984	1.000	51.23
ATOM	2002	СВ	LEU			29.084	5.389	27.503	1.000	48.71
ATOM	2003	CG	LEU			28.256	6.584	27.988	1.000	49.68
ATOM	2004		LEU			28.263	6.684	29.507	1.000	46.47
ATOM	2005		LEU			28.757	7.884		1.000	
ATOM	2006	C	LEU			30.122	4.097		1.000	
ATOM	2007	0	LEU			31.329	4.351		1.000	
ATOM	2008	N	ASP			29.656	2.887	25.317		60.11
ATOM	2009	CA	ASP			30.559	1.815	24.901	1.000	60.82
ATOM	2010	CB	ASP			30.345	0.581			68.15
ATOM	2011	CG	ASP			30.603	0.832	27.251	1.000	74.94
ATOM	2012		ASP			31.286	1.822	27.599	1.000	87.47
MOTA	2013		ASP			30.117	0.033	28.083	1.000	72.82
MOTA	2014	С	ASP			30.362	1.481	23.428	1.000	56.29
MOTA	2015	0	ASP			30.797	0.449	22.918		
MOTA	2016	N	SER			29.692	2.373	22.703		
MOTA	2017	CA	SER	A	267	29.450	2.133	21.286		49.97
MOTA	2018	CB	SER	Α	267	28.040	1.563	21.092	1.000	47.54
MOTA	2019	OG	SER	Α	267	28.070	0.147	21.070	1.000	70.07
MOTA	2020	С	SER	Α	267	29.602	3.403	20.457	1.000	56.45
MOTA	2021	0	SER	Α	267	29.833	3.345	19.249	1.000	64.11
MOTA	2022	N	LYS	A	268	29.457	4.547	21.113	1.000	54.03
ATOM	2023	CA	LYS	Α	268	29.450	5.851	20.473	1.000	61.77
ATOM	2024	CB	LYS	Α	268	28.124	6.565	20.747	1.000	73.01
ATOM	2025	CG	LYS	Α	268	27.792	7.746	19.856	1.000	78.98
ATOM	2026	CD	LYS	Α	268	26.344	7.687	19.384	1.000	85.20
ATOM	2027	CE	LYS	A	268	25.589	8.983	19.679	1.000	87.23

ATOM	2028	NZ	LYS	Α	268	24.372	8.773	20.503	1.000	77.94
ATOM	2029	С	LYS	Α	268	30.607	6.721	20.967	1.000	57.67
ATOM	2030	0	LYS			31.288	6.352	21.923	1.000	56.55
ATOM	2031	N	ASP			30.759	7.842	20.289	1.000	51.51
	2032	CA			269	31.664	8.925	20.619	1.000	61.39
ATOM								19.388	1.000	66.41
ATOM	2033	CB	ASP			32.424	9.415			
ATOM	2034	CG	ASP			31.625	9.286	18.106		74.35
MOTA	2035		ASP.			32.119	8.629	17.162		91.04
MOTA	2036	OD2	ASP.	A	269	30.505	9.842	18.044	1.000	
ATOM	2037	С	ASP .	Α	269	30.865	10.067	21.240	1.000	58.72
ATOM	2038	0	ASP	Α	269	31.369	11.104	21.659	1.000	48.76
ATOM	2039	N	SER	Α	270	29.551	9.848	21.289	1.000	55.39
ATOM	2040	CA	SER .	Α	270	28.687	10.847	21.910	1.000	53.30
ATOM	2041	СВ	SER			27.989	11.679	20.834	1.000	46.93
ATOM	2042	OG	SER			27.692	10.829	19.734	1.000	51.09
ATOM	2042	C	SER			27.674	10.148	22.807		54.77
ATOM	2043	0	SER			27.500	8.934	22.703	1.000	
	2044					27.031	10.915	23.668		51.16
ATOM		N	VAL							47.16
ATOM	2046	CA	VAL .			26.025	10.400	24.590		
ATOM	2047	CB	VAL .			26.612	10.189	25.992	1.000	
ATOM	2048	CG1	VAL			27.075	11.525	26.564		
ATOM	2049		VAL .			25.609	9.523	26.918		33.32
ATOM	2050	С	VAL .			24.851	11.374		1.000	
ATOM	2051	0	VAL .			25.054	12.585	24.754	1.000	
ATOM	2052	N	ASP .	A	272	23.639	10.841	24.484	1.000	43.19
MOTA	2053	CA	ASP .	Α	272	22.451	11.680	24.350	1.000	34.67
ATOM	2054	CB	ASP .	Α	272	21.819	11.492	22.973	1.000	34.66
ATOM	2055	CG	ASP .	Α	272	20.791	12.553	22.633	1.000	34.78
ATOM	2056	OD1	ASP .	Α	272	20.496	13.413	23.488	1.000	35.05
ATOM	2057	OD2	ASP .			20.262	12.537	21.499	1.000	61.92
ATOM	2058	С	ASP .			21.450	11.367	25.450	1.000	37.86
ATOM	2059	0	ASP .			20.601	10.489	25.312	1.000	
ATOM	2060	N	ILE .			21.548	12.095	26.564	1.000	
ATOM	2061	CA	ILE .			20.651	11.774	27.671	1.000	
ATOM	2062	CB	ILE .			21.245	12.212	29.019	1.000	
	2062	CG1			273	22.562	11.518	29.362	1.000	
MOTA		CD1				23.227	12.049	30.612	1.000	
ATOM	2064				273			30.134	1.000	
ATOM	2065	CG2			273	20.228	12.016			36.66
ATOM	2066	C	ILE .			19.290	12.420	27.450	1.000	
ATOM	2067	0	ILE .			18.264	11.844	27.813		
ATOM	2068	N	TYR .			19.301	13.608	26.845		
ATOM	2069	CA	TYR .			18.044	14.276	26.525		
ATOM	2070	CB	TYR .			18.312	15.642	25.908		
ATOM	2071	CG	TYR .	Α	274	17.119	16.489	25.551		
ATOM	2072	CD1	TYR .	Α	274	16.633	17.434	26.450	1.000	29.05
ATOM	2073	CE1	TYR .	Α	274	15.544	18.225	26.150	1.000	28.10
ATOM	2074	CZ	TYR .			14.913	18.089	24.932	1.000	28.89
ATOM	2075	ОН	TYR 2			13.827	18.881	24.631	1.000	40.18
ATOM	2076	CE2	TYR			15.372	17.169	24.020		
ATOM	2077	CD2	TYR			16.469	16.377	24.331		
ATOM	2078	C	TYR			17.228	13.415	25.565		
ATOM	2079	0	TYR			16.027	13.221	25.735		
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ATOM	2080	N	GLY	Α	275	17.908	12.908	24.540	1.000	30.84
ATOM	2081	CA	GLY	Α	275	17.256	12.132	23.499	1.000	38.31
ATOM	2082	С	GLY	Α	275	16.611	10.863	24.016	1.000	36.93
ATOM	2083	0			275	15.515	10.487	23.605	1.000	33.21
ATOM	2084	N			276	17.282	10.176	24.930	1.000	26.01
ATOM	2085	CA			276	16.728	8.949	25.490	1.000	26.10
ATOM	2086	CB			276	17.753	8.300	26.409		36.77
ATOM	2087	C			276	15.440	9.236	26.248	1.000	26.60
ATOM	2088	0			276	14.412	8.600	26.061	1.000	21.84
					277		10.227	27.129	1.000	27.46
ATOM	2089	N C7				15.510			1.000	26.38
ATOM	2090	CA			277	14.382	10.602	27.971		
ATOM	2091	CB	VAL			14.829	11.656	29.004		27.97
ATOM	2092	CG1				13.661	12.343	29.687	1.000	33.02
ATOM	2093		VAL			15.720	10.980	30.043	1.000	17.52
ATOM	2094	С	VAL			13.229	11.103	27.113	1.000	26.05
ATOM	2095	0	VAL			12.060	10.837	27.417	1.000	
ATOM	2096	N	HIS			13.556	11.815	26.043	1.000	
MOTA	2097	CA	HIS			12.558	12.336	25.113	1.000	25.33
MOTA	2098	CB	HIS	Α	278	13.204	13.259	24.087	1.000	27.86
MOTA	2099	CG	HIS	A	278	12.276	13.815	23.054		25.27
MOTA	2100	ND1				11.807	13.069	21.994	1.000	24.22
MOTA	2101	CE1	HIS	Α	278	11.015	13.819	21.244	1.000	24.97
ATOM	2102	NE2	HIS	Α	278	10.961	15.031	21.773	1.000	23.92
MOTA	2103	CD2	HIS	Α	278	11.746	15.050	22.900	1.000	22.15
MOTA	2104	С	HIS	Α	278	11.838	11.214	24.370	1.000	23.01
ATOM	2105	0	HIS	Α	278	10.650	11.288	24.068	1.000	25.09
ATOM	2106	N	ASP	Α	279	12.571	10.160	24.059	1.000	20.73
ATOM	2107	CA	ASP	Α	279	11.994	9.026	23.343	1.000	24.89
MOTA	2108	СВ	ASP	Α	279	13.099	8.159	22.746	1.000	30.17
MOTA	2109	CG	ASP	Α	279	12.727	7.306	21.558	1.000	30.34
MOTA	2110	OD1	ASP			12.077	7.787	20.605	1.000	26.50
MOTA	2111		ASP			13.096	6.106	21.539	1.000	33.56
ATOM	2112	С	ASP			11.131	8.228	24.309	1.000	19.27
ATOM	2113	0	ASP			10.059	7.720	23.981	1.000	23.16
ATOM	2114	N	LEU			11.627	8.121	25.541	1.000	17.51
ATOM	2115	CA	LEU			10.848	7.371	26.523	1.000	25.22
ATOM	2116	СВ	LEU			11.578	7.273	27.857	1.000	22.56
ATOM	2117	CG			280	12.948	6.595	27.878		30.97
ATOM	2118		LEU			13.309	6.169	29.294	1.000	16.61
ATOM	2119		LEU			12.998	5.407	26.930		
ATOM	2120	C	LEU			9.475	8.027	26.702		
ATOM	2121	0	LEU			8.472	7.315	26.678		
ATOM	2122	N	ARG			9.480	9.335	26.877		
ATOM	2123	CA	ARG			8.364	10.230	27.097		
			ARG					27.129		
ATOM	2124	CB				8.840	11.690 12.025	28.413		
MOTA	2125	CG	ARG			9.597		29.597		
ATOM	2126	CD	ARG			8.645	11.966	30.831		
ATOM	2127	NE C7	ARG			9.295	12.376			
ATOM	2128	CZ	ARG			9.526	13.626	31.204		
MOTA	2129		ARG			9.161	14.636	30.435		
ATOM	2130		ARG			10.132	13.874	32.361		
MOTA	2131	С	ARG	А	281	7.302	10.096	26.018	T.000	19.40

ATOM	2132	0	ARG	Α	281	6.104	10.236	26.254	1.000	20.20
ATOM	2133	N	LEU	Α	282	7.773	9.823	24.805	1.000	20.07
ATOM	2134	CA	LEU	Α	282	6.823	9.651	23.711	1.000	23.11
ATOM	2135	СВ			282	7.523	9.589	22.353	1.000	17.59
ATOM	2136	CG			282	7.893	10.913	21.688	1.000	27.09
ATOM	2137	CD1	LEU			8.800	10.679	20.489	1.000	27.56
ATOM	2138	CD2			282	6.660	11.688	21.243	1.000	20.11
ATOM	2139	C			282	5.974	8.404	23.913	1.000	26.60
ATOM	2140	0			282	4.880	8.342	23.352	1.000	
ATOM	2141	N	HIS		283	6.430	7.412	24.678	1.000	
ATOM	2142	CA	HIS		283	5.698	6.144	24.667	1.000	19.57
ATOM	2142	CB	HIS		283	6.688	5.008	24.336	1.000	
ATOM	2143	CG			283	7.263	5.215	22.965	1.000	
ATOM	2144	ND1			283	6.742	4.619	21.841	1.000	
		CE1	HIS			7.436	4.985	20.775	1.000	
ATOM	2146							21.174	1.000	24.57
MOTA	2147	NE2			283	8.386	5.808 5.974	22.536	1.000	21.10
ATOM	2148	CD2	HIS		283	8.300	5.861	25.961	1.000	17.31
ATOM	2149	С	HIS		283	4.956	4.976	26.006	1.000	20.69
ATOM	2150	0			283	4.101 5.262	6.606	27.011	1.000	16.92
MOTA	2151	N	ARG				6.512	28.296	1.000	15.56
ATOM	2152	CA	ARG			4.594	5.279	29.091	1.000	19.52
MOTA	2153	CB	ARG			5.038 4.214	5.010	30.355	1.000	16.19
MOTA	2154	CG	ARG ARG			4.214	3.660	30.954	1.000	19.69
MOTA	2155	CD						32.282	1.000	18.76
MOTA	2156	NE C7	ARG ARG			4.009 2.892	3.428 2.731	32.492	1.000	19.76
ATOM	2157	CZ NH1	ARG			2.214	2.731	31.475	1.000	11.48
ATOM	2158 2159		ARG			2.439	2.553	33.726	1.000	17.29
ATOM	2160	C	ARG			4.845	7.774		1.000	15.30
ATOM ATOM	2160	0	ARG			5.941	8.327	29.076	1.000	25.00
ATOM	2162	N	VAL			3.834	8.221	29.846	1.000	19.78
ATOM	2162	CA	VAL			3.912	9.415	30.685	1.000	
ATOM	2163	CB	VAL			2.507	9.771	31.215	1.000	32.12
ATOM	2165	CG1	VAL			1.981	8.686	32.152	1.000	
ATOM	2166	CG2	VAL			2.503	11.126	31.909		29.12
ATOM	2167	CGZ	VAL			4.917	9.216	31.814	1.000	
ATOM	2168	0	VAL			5.153	8.085	32.242	1.000	23.27
ATOM	2169	N	HIS			5.510	10.296	32.281	1.000	28.92
MOTA	2170	CA	HIS			6.440	10.404		1.000	29.32
ATOM	2171	CB	HIS			5.744	10.052	34.718		
ATOM	2171	CG			286	4.476	10.821	34.710		
ATOM	2172		HIS			4.430	12.188	34.769		
ATOM	2173		HIS			3.197	12.615	34.978		
ATOM	2175		HIS			2.439	11.567	35.244		
	2176		HIS			3.216	10.433	35.200		
ATOM	2177	CDZ	HIS			7.669	9.521	33.267		
ATOM ATOM	2177	0	HIS			8.292	9.259		1.000	
ATOM	2179	N	MET			8.054	9.038	32.087	1.000	
ATOM	2179	CA	MET			9.326	8.294	32.047	1.000	
ATOM	2181	CB	MET			9.579	7.694	30.679		
ATOM	2182	CG	MET			8.566	6.647	30.239		
ATOM	2183	SD	MET			8.699	5.134	31.234		
ATON	2100	UU	لا شاراء	~	201	0.000	J.1J7	JI. 2J4	2.000	

ATOM 2185 C MET A 287 7.526 5.570 32.521 1.000 32.04 ATOM 2185 C MET A 287 10.457 9.247 32.459 1.000 32.04 ATOM 2187 N VAL A 288 11.071 8.981 33.599 1.000 32.41 ATOM 2188 CA VAL A 288 11.071 8.981 33.599 1.000 29.73 ATOM 2189 CB VAL A 288 12.024 9.837 34.294 1.000 22.00 ATOM 2190 CG VAL A 288 13.229 10.233 33.436 1.000 21.06 ATOM 2191 CG2 VAL A 288 13.961 8.986 32.952 1.000 15.73 ATOM 2192 C VAL A 288 11.067 11.073 34.787 1.000 30.61 ATOM 2193 O VAL A 288 11.269 11.073 34.787 1.000 30.61 ATOM 2193 O VAL A 288 11.269 11.073 34.787 1.000 30.61 ATOM 2193 O VAL A 288 11.266 12.112 34.132 1.000 31.06 ATOM 2194 N GLN A 289 10.675 10.871 35.957 1.000 23.90 ATOM 2195 CG GLN A 289 8.735 10.869 37.427 1.000 27.94 ATOM 2196 CB GLN A 289 8.735 10.869 37.427 1.000 27.94 ATOM 2197 CG GLN A 289 6.907 9.646 39.112 1.000 34.50 ATOM 2198 CD GLN A 289 6.907 9.646 39.112 1.000 34.50 ATOM 2199 OEL GLN A 289 6.907 9.646 39.112 1.000 34.50 ATOM 2200 NEZ GLN A 289 6.907 9.646 39.112 1.000 37.56 ATOM 2201 C GLN A 289 10.23 12.924 37.258 1.000 30.62 ATOM 2201 C GLN A 289 9.306 1.026 38.655 1.000 37.62 ATOM 2201 C GLN A 289 9.306 31.026 38.655 1.000 37.62 ATOM 2202 O GLN A 289 9.306 31.026 38.655 1.000 37.62 ATOM 2202 O GLN A 289 9.306 31.026 38.655 1.000 37.62 ATOM 2202 C GLN A 289 9.306 31.026 38.655 1.000 37.62 ATOM 2202 C GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2202 C GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2202 C GLN A 289 11.402 12.994 37.619 1.000 33.67 ATOM 2205 CB THR A 290 11.857 14.147 38.382 1.000 32.24 ATOM 2205 CB THR A 290 11.467 38.861 39.794 1.000 31.85 ATOM 2207 CG2 THR A 290 11.467 38.861 39.978 1.000 31.85 ATOM 2207 CG2 THR A 290 13.285 13.106 40.043 1.000 42.079 ATOM 2207 CG2 THR A 290 13.285 13.106 40.043 1.000 42.079 ATOM 2207 CG2 THR A 290 13.285 13.000 30.978 1.000 31.85 ATOM 2212 CB GLU A 291 16.167 16.595 38.042 1.000 31.85 ATOM 2212 CB GLU A 291 16.167 16.395 38.042 1.000 31.85 ATOM 2212 CB GLU A 291 16.1670 16.395 38.042 1.000 32.87 ATOM 2212 CB GLU A 291 16.1690 13.623 39.949 1.000 25.87 ATOM 2											
ATOM	MOTA	2184	CE	MET	Α	287	7.526	5.570	32.521	1.000	32.04
ATOM 2187 N VAL A 288 11.071 8.981 33.599 1.000 29.73 ATOM 2188 CA VAL A 288 12.024 9.837 34.294 1.000 22.00 ATOM 2189 CB VAL A 288 13.229 10.233 33.436 1.000 21.06 ATOM 2190 CG1 VAL A 288 14.167 11.132 34.232 1.000 28.71 ATOM 2191 CG2 VAL A 288 11.269 11.073 34.787 1.000 30.61 ATOM 2192 C VAL A 288 11.269 11.073 34.787 1.000 30.61 ATOM 2193 O VAL A 288 11.269 11.073 34.787 1.000 30.61 ATOM 2194 N GLN A 289 10.675 10.871 35.957 1.000 23.90 ATOM 2195 CA GLN A 289 9.626 11.709 36.494 1.000 23.90 ATOM 2196 CB GLN A 289 9.626 11.709 36.494 1.000 27.94 ATOM 2197 CG GLN A 289 9.626 11.709 36.494 1.000 27.94 ATOM 2199 OEI GLN A 289 7.406 11.555 37.748 1.000 34.50 ATOM 2199 OEI GLN A 289 6.907 9.646 39.112 1.000 34.50 ATOM 2199 OEI GLN A 289 6.907 9.646 39.112 1.000 30.01 ATOM 2200 NEZ GLN A 289 9.316 13.811 37.536 1.000 37.56 ATOM 2201 C GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2202 O GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2203 N THR A 290 11.857 14.147 38.382 1.000 32.24 ATOM 2204 CA THR A 290 11.857 14.147 38.382 1.000 32.24 ATOM 2205 CG THR A 290 11.857 14.147 38.382 1.000 32.24 ATOM 2206 OGI THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2207 CGZ THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2208 C THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2209 O THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2207 CGZ THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2208 C THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2207 CGZ THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2207 CGZ THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2208 C THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2207 CGZ THR A 290 13.285 13.106 40.045 1.000 42.04 ATOM 2207 CGZ THR A 290 13.285 13.106 40.045 1.000 42.04 ATOM 2207 CGZ THR A 290 13.285 13.000 40.045 1.000 42.04 ATOM 2210 C C GLU A 291 14.707 16.583 37.091 1.000 31.85 ATOM 2210 C C GLU A 291 15.514 15.963 38.072 1.000 40.06 ATOM 2210 C C GLU A 291 15.514 15.963 38.072 1.000 40.06 ATOM 2221 C C GLU A 291 15.814 15.926 38.461 1.000 20.06 ATOM 2222 C C C C C C C C C C C C C	ATOM	2185	С	MET	Α	287	10.457	9.247	32.459	1.000	32.08
ATOM 2188 CA VAL A 288 11.071 8.981 33.599 1.000 29.73 ATOM 2189 CB VAL A 288 12.024 9.837 34.294 1.000 22.00 ATOM 2190 CGI VAL A 288 13.229 10.233 33.436 1.000 22.00 ATOM 2191 CG2 VAL A 288 13.229 10.233 34.232 1.000 28.71 ATOM 2191 CG2 VAL A 288 11.267 11.132 34.232 1.000 28.71 ATOM 2192 C VAL A 288 11.269 11.073 34.787 1.000 30.61 ATOM 2193 O VAL A 288 11.269 11.073 34.787 1.000 30.61 ATOM 2193 O VAL A 288 11.269 11.073 34.787 1.000 30.61 ATOM 2194 N GLN A 289 10.675 10.871 35.957 1.000 23.90 ATOM 2195 CA GLN A 289 9.626 11.709 36.494 1.000 23.90 ATOM 2196 CB GLN A 289 9.626 11.709 36.494 1.000 27.94 ATOM 2197 CG GLN A 289 8.735 10.869 37.427 1.000 30.01 ATOM 2199 OEI GLN A 289 6.907 9.646 39.112 1.000 34.50 ATOM 2199 OEI GLN A 289 6.907 9.646 39.112 1.000 34.50 ATOM 2199 OEI GLN A 289 6.907 9.646 39.112 1.000 30.51 ATOM 2200 NEZ GLN A 289 9.316 13.311 37.536 1.000 32.64 ATOM 2201 C GLN A 289 9.316 13.311 37.536 1.000 32.64 ATOM 2202 NEZ GLN A 289 9.316 13.311 37.536 1.000 32.64 ATOM 2203 N THR A 290 11.857 14.147 38.382 1.000 32.24 ATOM 2204 CA THR A 290 11.857 14.147 38.382 1.000 32.43 ATOM 2205 CG THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2206 OGI THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2207 CG2 THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2208 C THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2207 CG2 THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2207 CG2 THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2207 CG2 THR A 290 13.951 13.221 40.456 1.000 35.76 ATOM 2210 N GLU A 291 14.749 18.032 37.980 1.000 31.85 ATOM 2210 C GLU A 291 14.749 18.032 37.980 1.000 41.79 ATOM 2211 C G GLU A 291 14.749 18.032 37.980 1.000 42.79 ATOM 2212 C G GLU A 291 15.513 15.840 14.899 1.000 33.95 ATOM 2212 C G GLU A 291 15.810 15.840 14.899 1.000 29.87 ATOM 2212 C G GLU A 291 15.810 15.840 13.935 37.991 1.000 29.87 ATOM 2212 C G GLU A 291 15.810 15.840 13.935 37.991 1.000 29.87 ATOM 2212 C G GLU A 291 15.810 15.840 14.899 1.000 29.87 ATOM 2223 C C GLU A 291 15.810 15.840 14.899 1.000 29.87 ATOM 2224 C C GLU A	ATOM	2186	0	MET	Α	287	10.732	10.211	31.741	1.000	32.41
ATOM 2188 CA VAL A 288 12.024 9.837 34.294 1.000 22.00 ATOM 2189 CB VAL A 288 13.229 10.233 33.436 1.000 21.06 ATOM 2190 CGI VAL A 288 14.167 11.132 34.232 1.000 28.71 ATOM 2191 CG2 VAL A 288 13.961 8.996 32.952 1.000 15.73 ATOM 2192 C VAL A 288 11.266 11.073 34.787 1.000 30.61 ATOM 2193 O VAL A 288 11.266 12.112 34.132 1.000 31.06 ATOM 2194 N GLN A 289 10.675 10.871 35.957 1.000 23.90 ATOM 2195 CA GLN A 289 9.626 11.709 36.494 1.000 23.90 ATOM 2197 CG GLN A 289 8.735 10.869 37.427 1.000 27.94 ATOM 2198 CD GLN A 289 7.406 11.535 37.748 1.000 34.50 ATOM 2198 CD GLN A 289 6.481 10.661 38.562 1.000 30.01 ATOM 2198 CD GLN A 289 6.481 10.661 38.562 1.000 30.01 ATOM 2199 OEI GLN A 289 6.907 9.646 39.112 1.000 45.90 ATOM 2200 NEZ GLN A 289 9.316 13.811 37.536 1.000 37.56 ATOM 2201 C GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2202 C GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2202 C GLN A 289 9.316 13.811 37.536 1.000 32.44 ATOM 2204 CA THR A 290 11.857 14.147 38.382 1.000 32.44 ATOM 2205 CB THR A 290 11.857 14.147 38.382 1.000 32.44 ATOM 2206 GGI THR A 290 11.857 14.147 38.382 1.000 32.44 ATOM 2206 GGI THR A 290 12.078 13.862 39.878 1.000 32.44 ATOM 2207 CG2 THR A 290 13.74 14.677 37.822 1.000 42.04 ATOM 2208 C THR A 290 13.74 14.677 37.822 1.000 42.04 ATOM 2209 O THR A 290 13.174 14.677 37.822 1.000 42.04 ATOM 2201 C GLU A 291 14.749 18.032 37.692 1.000 31.85 ATOM 2212 CB GLU A 291 14.749 18.032 37.692 1.000 31.85 ATOM 2212 CB GLU A 291 14.749 18.032 37.692 1.000 41.73 ATOM 2212 CB GLU A 291 14.749 18.032 37.692 1.000 41.73 ATOM 2212 CB GLU A 291 14.749 18.032 37.692 1.000 42.04 ATOM 2213 CG GLU A 291 14.749 18.032 37.692 1.000 42.04 ATOM 2213 CG GLU A 291 16.667 18.595 38.042 1.000 27.69 ATOM 2212 CB GLU A 291 16.676 18.595 38.042 1.000 27.69 ATOM 2212 CB GLU A 291 16.676 18.595 38.042 1.000 27.69 ATOM 2212 CB GLU A 291 16.690 13.623 43.050 1.000 40.06 ATOM 2223 C C GLU A 291 16.690 13.623 43.050 1.000 40.06 ATOM 2223 C C GLU A 291 16.690 13.623 43.050 1.000 40.06 ATOM 2223 C C GLU A 293 15.640 14.099 41.899	ATOM		N	VAL	Α	288	11.071	8.981	33.599	1.000	29.73
ATOM 2189 CB VAL A 288 13.229 10.233 33.436 1.000 21.06 ATOM 2190 CG1 VAL A 288 13.961 11.323 33.4362 1.000 28.71 ATOM 2191 CG2 VAL A 288 13.961 8.996 32.952 1.000 15.73 ATOM 2192 C VAL A 288 11.269 11.073 34.787 1.000 30.61 ATOM 2193 O VAL A 288 11.269 11.073 34.787 1.000 30.61 ATOM 2194 N GLN A 289 10.675 10.871 35.957 1.000 23.90 ATOM 2195 CA GLN A 289 9.626 11.709 36.494 1.000 28.48 ATOM 2196 CB GLN A 289 7.406 11.535 37.748 1.000 34.50 ATOM 2197 CG GLN A 289 7.406 11.535 37.748 1.000 34.50 ATOM 2199 OE1 GLN A 289 7.406 11.535 37.748 1.000 30.61 ATOM 2199 OE1 GLN A 289 6.481 10.661 38.562 1.000 30.01 ATOM 2200 NE2 GLN A 289 9.8626 11.709 38.655 1.000 37.56 ATOM 2201 C GLN A 289 9.9.626 11.709 38.655 1.000 37.56 ATOM 2201 C GLN A 289 9.9.16 13.811 37.536 1.000 32.67 ATOM 2202 O GLN A 289 9.9.16 13.811 37.536 1.000 32.67 ATOM 2202 O GLN A 289 9.9.16 13.811 37.536 1.000 32.67 ATOM 2202 O GLN A 289 9.9.16 13.811 37.536 1.000 32.67 ATOM 2202 C GLN A 289 9.9.16 13.811 37.536 1.000 32.67 ATOM 2202 C GLN A 289 9.9.16 13.811 37.536 1.000 32.67 ATOM 2202 C GLN A 289 9.9.16 13.811 37.536 1.000 32.67 ATOM 2202 C GLN A 289 9.9.16 13.811 37.536 1.000 32.67 ATOM 2202 C GLN A 289 9.9.16 13.811 37.536 1.000 32.67 ATOM 2202 C GLN A 289 9.9.16 13.811 37.536 1.000 32.67 ATOM 2202 C GLN A 289 9.9.16 13.811 37.536 1.000 32.67 ATOM 2202 C GLN A 289 9.9.16 13.811 37.536 1.000 32.67 ATOM 2202 C GLN A 289 9.9.16 13.811 37.536 1.000 32.67 ATOM 2202 C GLN A 289 9.9.16 13.811 37.536 1.000 32.67 ATOM 2202 C GLN A 289 9.9.16 13.811 37.536 1.000 32.67 ATOM 2202 C GLN A 291 11.402 12.994 37.619 1.000 31.85 ATOM 2207 CG2 THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2207 CG2 THR A 290 13.85 13.001 40.456 1.000 33.76 ATOM 2210 C GLN A 291 14.707 16.6538 37.911 1.000 31.85 ATOM 2210 C GLN A 291 14.707 16.6538 37.921 1.000 31.95 ATOM 2212 C GLN A 291 16.904 13.921 13.925 10.000 22.15 ATOM 2212 C GLN A 291 16.906 13.825 13.920 1.000 22.15 ATOM 2212 C GLN A 291 16.906 13.836 39.947 1.000 22.60 ATOM 2213 C GLN A 291 16.906 13.807 39.849 1.000 2											
ATOM 2191 CG1 VAL A 288 14.167 11.132 34.232 1.000 28.71 ATOM 2191 CG2 VAL A 288 11.269 11.073 34.787 1.000 30.61 ATOM 2192 C VAL A 288 11.269 11.073 34.787 1.000 30.61 ATOM 2193 O VAL A 288 11.269 11.073 34.787 1.000 31.06 ATOM 2194 N GLN A 289 10.675 10.871 35.957 1.000 23.90 ATOM 2195 CA GLN A 289 9.626 11.709 36.494 1.000 28.48 ATOM 2196 CB GLN A 289 9.626 11.709 36.494 1.000 27.94 ATOM 2197 CG GLN A 289 7.406 11.535 37.748 1.000 30.01 ATOM 2198 CD GLN A 289 6.481 10.661 38.562 1.000 30.01 ATOM 2199 OEI GLN A 289 6.481 10.661 38.562 1.000 30.01 ATOM 2199 OEI GLN A 289 6.481 10.661 38.562 1.000 30.01 ATOM 2209 OEI GLN A 289 9.9.16 39.312 1.000 45.90 ATOM 2201 C GLN A 289 10.123 12.924 37.258 1.000 37.564 ATOM 2202 O GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2202 CO GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2202 CO GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2202 CC GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2202 CC GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2202 CC GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2202 CC GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2202 CC THR A 290 11.857 14.147 38.382 1.000 32.67 ATOM 2205 CB THR A 290 11.857 14.147 38.382 1.000 32.67 ATOM 2205 CB THR A 290 11.857 14.147 38.382 1.000 32.67 ATOM 2207 CG2 THR A 290 10.951 13.021 40.456 1.000 33.76 ATOM 2208 C THR A 290 13.174 14.677 37.822 1.000 42.79 ATOM 2208 C GLD A 291 13.251 13.021 40.456 1.000 33.76 ATOM 2208 C GLD A 291 13.421 15.963 38.072 1.000 41.73 ATOM 2210 N GLU A 291 13.421 15.963 38.072 1.000 44.06 ATOM 2211 CA GLU A 291 14.707 16.538 37.991 1.000 33.95 ATOM 2212 CB GLU A 291 14.707 16.538 37.992 1.000 44.06 ATOM 2213 CG GLU A 291 15.814 15.963 38.402 1.000 20.15 ATOM 2213 CG GLU A 291 16.106 18.595 38.042 1.000 20.15 ATOM 2213 CG GLU A 291 16.106 18.595 38.042 1.000 20.15 ATOM 2213 CG GLU A 291 16.106 18.595 38.042 1.000 20.15 ATOM 2212 CG GLU A 291 16.906 13.623 38.487 1.000 20.00 44.06 ATOM 2215 CG GLU A 291 15.546 39.489 39.487 1.000 20.00 44.06 ATOM 2222 CG CG GLU A 291 15.546 39.489											
ATOM 2191 CG2 VAL A 288 13.961 8.986 32.952 1.000 15.73 ATOM 2193 0 VAL A 288 11.269 11.073 34.787 1.000 30.61 ATOM 2194 N GLN A 289 10.675 10.871 34.132 1.000 23.90 ATOM 2195 CA GLN A 289 9.626 11.709 36.494 1.000 23.90 ATOM 2196 CB GLN A 289 8.735 10.869 37.427 1.000 27.94 ATOM 2197 CG GLN A 289 7.406 11.535 37.748 1.000 34.50 ATOM 2198 CD GLN A 289 6.481 10.661 38.562 1.000 34.50 ATOM 2199 OE1 GLN A 289 6.481 10.661 38.562 1.000 34.50 ATOM 2200 NE2 GLN A 289 6.907 9.646 39.112 1.000 45.90 ATOM 2201 C GLN A 289 5.209 11.026 38.655 1.000 37.56 ATOM 2202 O GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2203 N THR A 290 11.402 12.994 37.619 1.000 32.44 ATOM 2204 CA THR A 290 11.402 12.994 37.619 1.000 32.43 ATOM 2205 CB THR A 290 11.407 13.862 39.878 1.000 32.44 ATOM 2206 CG THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2207 CG2 THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2208 C THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2209 O THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2201 CB GLU A 291 14.707 16.538 37.692 1.000 33.75 ATOM 2210 N GLU A 291 14.707 16.538 37.692 1.000 33.95 ATOM 2211 CA GLU A 291 14.707 16.538 37.692 1.000 33.95 ATOM 2212 CB GLU A 291 14.707 16.538 37.692 1.000 33.95 ATOM 2212 CB GLU A 291 14.707 16.538 37.692 1.000 33.95 ATOM 2213 CG GLU A 291 14.707 16.538 37.692 1.000 41.73 ATOM 2214 CD GLU A 291 14.707 16.538 37.692 1.000 41.73 ATOM 2215 CE GLU A 291 16.166 20.001 38.627 1.000 50.92 ATOM 2216 CC GLU A 291 16.167 18.595 38.042 1.000 51.27 ATOM 2217 CC GLU A 291 16.166 17.596 38.401 1.000 27.69 ATOM 2218 C GLU A 291 16.909 13.623 43.050 1.000 40.05 ATOM 2221 CC GLU A 291 16.909 13.623 43.050 1.000 40.05 ATOM 2221 CC GLU A 291 16.909 13.623 43.050 1.000 40.05 ATOM 2221 CC GLU A 291 16.909 13.623 43.050 1.000 22.15 ATOM 2221 CC GLU A 291 16.909 13.623 43.050 1.000 22.15 ATOM 2222 CC GLU A 293 15.840 14.409 41.899 1.000 27.69 ATOM 2223 CC GLU A 293 15.840 14.409 41.899 1.000 27.69 ATOM 2224 CC GLU A 293 15.840 14.409 41.899 1.000 22.51 ATOM 2225 CG GLN A 293 15.930 10.017 39.250 1											
ATOM											
ATOM 2194 N GLN A 288											
ATOM 2195 CA GLN A 289 9.626 11.709 36.494 1.000 23.90 ATOM 2196 CB GLN A 289 9.626 11.709 36.494 1.000 27.94 ATOM 2197 CG GLN A 289 7.406 11.535 37.747 1.000 27.94 ATOM 2198 CD GLN A 289 6.481 10.661 38.562 1.000 34.50 ATOM 2199 CEI GLN A 289 6.481 10.661 38.562 1.000 34.50 ATOM 2200 NE2 GLN A 289 6.481 10.661 38.562 1.000 37.56 ATOM 2201 C GLN A 289 6.907 9.646 39.112 1.000 45.90 ATOM 2202 C GLN A 289 10.123 12.924 37.258 1.000 32.67 ATOM 2201 C GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2202 C GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2203 N THR A 290 11.807 14.147 38.382 1.000 32.67 ATOM 2204 CA THR A 290 11.807 14.147 38.382 1.000 32.67 ATOM 2205 CB THR A 290 12.078 13.862 39.878 1.000 32.63 ATOM 2206 CG1 THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2207 CG2 THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2208 C THR A 290 13.174 14.677 37.822 1.000 42.79 ATOM 2209 O THR A 290 13.174 14.677 37.822 1.000 42.79 ATOM 2209 O THR A 290 13.921 13.935 37.191 1.000 31.85 ATOM 2210 C GG GLU A 291 13.421 15.963 38.072 1.000 41.73 ATOM 2211 CA GLU A 291 13.421 15.963 38.072 1.000 41.73 ATOM 2212 CB GLU A 291 14.707 16.538 37.692 1.000 31.85 ATOM 2213 CG GLU A 291 14.707 16.538 37.991 1.000 44.06 ATOM 2213 CG GLU A 291 16.146 20.001 38.627 1.000 44.79 ATOM 2214 CD GLU A 291 16.146 20.001 38.627 1.000 44.79 ATOM 2215 CEI GLU A 291 16.146 20.001 38.627 1.000 44.79 ATOM 2216 CEI GLU A 291 15.513 15.486 39.487 1.000 27.69 ATOM 2217 C GLU A 291 15.840 14.409 41.899 1.000 27.69 ATOM 2222 CA CX SA 292 15.513 15.486 39.714 1.000 27.69 ATOM 2222 CA CX SA 292 15.504 14.409 41.899 1.000 27.69 ATOM 2222 CA CX SA 292 16.906 13.623 43.050 1.000 42.79 ATOM 2222 CA CX SA 292 16.906 13.623 43.050 1.000 27.69 ATOM 2223 CC CX SA 292 16.906 13.623 43.050 1.000 28.79 ATOM 2224 CA GLN A 293 15.924 12.801 39.246 1.000 28.79 ATOM 2225 CA GLN A 293 15.924 12.801 39.246 1.000 27.69 ATOM 2222 CA GLN A 293 15.934 14.509 10.017 39.250 1.000 27.59 ATOM 2223 CC GLN A 293 15.934 14.509 10.017 39.250 1.000 27.59 ATOM 2233 C GLN A 293 15.03											
ATOM 2195 CA GLN A 289 9.626 11.709 36.494 1.000 28.48 ATOM 2196 CB GLN A 289 8.735 10.869 37.427 1.000 27.94 ATOM 2197 CG GLN A 289 7.406 11.535 37.748 1.000 34.50 ATOM 2198 CD GLN A 289 6.481 10.661 38.562 1.000 30.01 ATOM 2199 OE1 GLN A 289 6.907 9.646 39.112 1.000 45.90 ATOM 2201 C GLN A 289 5.209 11.026 38.655 1.000 37.56 ATOM 2201 C GLN A 289 10.123 12.924 37.258 1.000 36.20 ATOM 2201 C GLN A 289 10.123 12.924 37.258 1.000 36.20 ATOM 2201 C GLN A 289 10.123 12.924 37.536 1.000 32.67 ATOM 2202 O GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2203 N THR A 290 11.857 14.147 38.382 1.000 32.24 ATOM 2204 CA THR A 290 11.857 14.147 38.382 1.000 32.24 ATOM 2205 CB THR A 290 12.078 13.862 39.878 1.000 27.63 ATOM 2206 OG1 THR A 290 12.078 13.862 39.878 1.000 27.63 ATOM 2207 CG2 THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2207 CG2 THR A 290 13.174 14.677 37.822 1.000 42.79 ATOM 2209 O THR A 290 13.174 14.677 37.822 1.000 42.79 ATOM 2209 O THR A 290 13.174 14.677 37.822 1.000 42.79 ATOM 2201 N GLU A 291 13.421 15.963 38.072 1.000 41.73 ATOM 2212 CB GLU A 291 14.707 16.538 37.692 1.000 41.73 ATOM 2212 CB GLU A 291 14.707 16.538 37.692 1.000 44.06 ATOM 2213 CG GLU A 291 14.707 16.538 37.692 1.000 44.06 ATOM 2213 CG GLU A 291 16.146 20.001 38.627 1.000 50.92 ATOM 2214 CD GLU A 291 16.146 20.001 38.627 1.000 50.92 ATOM 2215 OEI GLU A 291 16.146 20.001 38.627 1.000 50.92 ATOM 2215 OEI GLU A 291 16.146 20.001 38.627 1.000 44.79 ATOM 2212 CB GLU A 291 16.146 20.001 38.627 1.000 44.79 ATOM 2212 CB GLU A 291 16.146 20.001 38.627 1.000 50.92 ATOM 2212 CB GLU A 291 16.146 20.001 38.627 1.000 50.92 ATOM 2213 CG GLU A 291 16.994 20.298 39.487 1.000 28.25 ATOM 2213 CG GLU A 291 16.994 20.298 39.487 1.000 28.25 ATOM 2223 C C CYS A 292 16.996 13.623 43.050 1.000 68.90 ATOM 2225 CB GLU A 291 16.906 13.623 43.050 1.000 68.90 ATOM 2222 CG GLU A 291 16.906 13.623 43.050 1.000 28.76 ATOM 2222 CG GLU A 293 15.903 19.009 39.819 1.000 22.15 ATOM 2222 CG GLU A 293 15.903 19.909 39.819 1.000 22.15 ATOM 2222 CG GLU A 293 15.903 19.909 40.											
ATOM 2196 CB GLN A 289	MOTA	2194	N								
ATOM 2197 CG GLN A 289 7.406 11.535 37.748 1.000 34.50 ATOM 2198 CD GLN A 289 6.481 10.661 38.562 1.000 30.01 ATOM 2199 OEI GLN A 289 6.907 9.646 39.112 1.000 45.90 ATOM 2200 NE2 GLN A 289 5.209 11.026 38.655 1.000 37.56 ATOM 2201 C GLN A 289 9.316 13.811 37.528 1.000 36.20 ATOM 2202 O GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2202 C GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2203 N THR A 290 11.402 12.994 37.619 1.000 33.43 ATOM 2205 CB THR A 290 11.857 14.147 38.382 1.000 32.24 ATOM 2205 CB THR A 290 11.857 14.147 38.382 1.000 32.24 ATOM 2206 OGI THR A 290 12.078 13.862 39.878 1.000 35.76 ATOM 2207 CG2 THR A 290 10.951 13.021 40.456 1.000 35.76 ATOM 2208 C THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2207 CG2 THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2207 CG2 THR A 290 13.174 14.677 37.822 1.000 42.79 ATOM 2209 O THR A 290 13.921 13.935 37.191 1.000 31.85 ATOM 2210 N GLU A 291 13.421 15.963 38.072 1.000 41.73 ATOM 2211 CA GLU A 291 14.707 16.538 37.692 1.000 33.95 ATOM 2212 CB GLU A 291 14.707 16.538 37.692 1.000 33.95 ATOM 2213 CG GLU A 291 14.707 16.538 37.692 1.000 50.92 ATOM 2214 CD GLU A 291 16.167 18.595 38.042 1.000 51.27 ATOM 2215 OEI GLU A 291 16.167 18.595 38.042 1.000 50.92 ATOM 2216 OE2 GLU A 291 16.167 18.595 38.042 1.000 50.92 ATOM 2216 OE2 GLU A 291 15.814 15.826 38.461 1.000 26.05 ATOM 2216 OE2 GLU A 291 15.513 15.814 15.826 38.461 1.000 26.05 ATOM 2216 OE2 GLU A 291 15.513 15.814 15.826 38.461 1.000 26.05 ATOM 2217 C GLU A 291 15.814 15.826 38.461 1.000 26.05 ATOM 2221 CB GLU A 291 15.814 15.826 38.461 1.000 26.05 ATOM 2221 CB GLU A 291 16.406 14.750 40.550 1.000 68.90 ATOM 2221 CB GLU A 291 15.814 15.826 38.461 1.000 26.05 ATOM 2221 CB GLU A 291 16.406 14.750 40.550 1.000 68.90 ATOM 2222 CG GLU A 291 16.406 14.750 40.550 1.000 68.90 ATOM 2222 CG GLU A 291 15.810 14.409 41.899 1.000 28.25 ATOM 2222 CG GLU A 293 15.940 11.621 38.459 1.000 22.15 ATOM 2222 CG GLU A 293 15.940 11.621 38.459 1.000 22.15 ATOM 2222 CG GLU A 293 15.940 11.621 38.459 1.000 22.51 ATOM 2222 CG GLU A 29	MOTA	2195	CA	GLN	Α	289	9.626	11.709	36.494	1.000	28.48
ATOM 2198 CD GLN A 289 6.481 10.661 38.562 1.000 30.01 ATOM 2199 OE1 GLN A 289 6.907 9.646 39.112 1.000 45.90 ATOM 2201 C GLN A 289 10.123 12.924 37.258 1.000 37.56 ATOM 2201 C GLN A 289 10.123 12.924 37.258 1.000 36.20 ATOM 2202 O GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2203 N THR A 290 11.402 12.994 37.619 1.000 32.67 ATOM 2204 CA THR A 290 11.857 14.147 38.382 1.000 27.63 ATOM 2205 CB THR A 290 12.078 13.862 39.878 1.000 27.63 ATOM 2205 CB THR A 290 12.078 13.862 39.878 1.000 27.63 ATOM 2207 CG2 THR A 290 10.951 13.021 40.456 1.000 35.76 ATOM 2207 CG2 THR A 290 10.951 13.021 40.456 1.000 35.76 ATOM 2208 C THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2208 C THR A 290 13.174 14.677 37.822 1.000 42.79 ATOM 2210 N GLU A 291 13.421 15.963 38.072 1.000 41.73 ATOM 2211 CA GLU A 291 13.421 15.963 38.072 1.000 41.73 ATOM 2211 CA GLU A 291 14.707 16.538 37.692 1.000 33.95 ATOM 2212 CB GLU A 291 14.707 16.538 37.692 1.000 33.95 ATOM 2213 CG GLU A 291 14.707 16.538 37.692 1.000 44.06 ATOM 2213 CG GLU A 291 16.167 18.595 38.042 1.000 51.27 ATOM 2214 CD GLU A 291 16.167 18.595 38.042 1.000 51.27 ATOM 2214 CD GLU A 291 16.167 18.595 38.042 1.000 50.92 ATOM 2215 CE1 GLU A 291 15.815 15.816 39.914 1.000 26.05 ATOM 2216 OE2 GLU A 291 15.816 15.826 38.461 1.000 26.05 ATOM 2216 OE2 GLU A 291 15.814 15.826 38.461 1.000 26.05 ATOM 2218 O GLU A 291 15.814 15.826 38.461 1.000 26.05 ATOM 2218 O GLU A 291 15.814 15.826 38.461 1.000 26.05 ATOM 2218 O GLU A 291 15.814 15.826 38.461 1.000 26.05 ATOM 2221 CB GLU A 291 15.814 14.607 40.550 1.000 44.79 ATOM 2221 CB GLU A 291 16.908 13.477 39.849 1.000 32.69 ATOM 2222 CG CYS A 292 15.513 15.486 39.714 1.000 28.25 ATOM 2223 C CYS A 292 15.503 15.409 41.899 1.000 28.25 ATOM 2223 C CYS A 292 16.906 13.623 43.050 1.000 28.74 ATOM 2225 C CA GLN A 293 15.009 10.845 38.087 1.000 28.75 ATOM 2223 C GLN A 293 14.509 10.017 39.250 1.000 28.75 ATOM 2223 C GLN A 293 14.509 10.017 39.250 1.000 28.75 ATOM 2223 C GLN A 293 14.509 10.017 39.250 1.000 25.56 ATOM 2233 O GLN A 293 14.509 10.017 39.25	ATOM	2196	CB	GLN	Α	289	8.735	10.869	37.427	1.000	27.94
ATOM 2200 NE2 GLN A 289 5.209 11.026 38.655 1.000 37.56 ATOM 2201 C GLN A 289 10.123 12.924 37.258 1.000 36.20 ATOM 2202 O GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2203 N THR A 290 11.402 12.994 37.619 1.000 32.67 ATOM 2205 CB THR A 290 11.402 12.994 37.619 1.000 32.24 ATOM 2205 CB THR A 290 12.078 13.862 39.878 1.000 32.24 ATOM 2206 OG1 THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2207 CG2 THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2207 CG2 THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2207 CG2 THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2209 O THR A 290 13.285 37.921 10.000 35.76 ATOM 2209 O THR A 290 13.241 13.935 37.191 10.000 31.85 ATOM 2209 O THR A 290 13.421 15.963 38.072 1.000 41.73 ATOM 2211 CA GLU A 291 13.421 15.963 38.072 1.000 41.73 ATOM 2212 CB GLU A 291 14.707 16.538 37.692 1.000 33.95 ATOM 2212 CB GLU A 291 14.707 16.538 37.692 1.000 44.06 ATOM 2213 CG GLU A 291 16.167 18.595 38.042 1.000 51.27 ATOM 2213 CG GLU A 291 16.167 18.595 38.042 1.000 51.27 ATOM 2214 CD GLU A 291 16.167 18.595 38.042 1.000 50.92 ATOM 2215 OE1 GLU A 291 16.994 20.298 39.487 1.000 44.06 ATOM 2216 OE2 GLU A 291 16.994 20.298 39.487 1.000 44.06 ATOM 2216 OE2 GLU A 291 15.555 20.769 38.205 1.000 44.79 ATOM 2217 C GLU A 291 15.814 15.866 39.714 1.000 27.69 ATOM 2219 O CA CYS A 292 15.810 15.814 39.921 1.000 31.12 ATOM 2219 O CA CYS A 292 16.460 14.750 40.550 1.000 22.15 ATOM 2220 CA CYS A 292 16.460 14.750 40.550 1.000 22.15 ATOM 2222 CB GLU A 291 16.696 13.623 39.487 1.000 22.15 ATOM 2222 CB GLU A 293 16.996 13.623 39.819 1.000 22.15 ATOM 2222 CB GLU A 293 16.996 13.623 39.819 1.000 22.15 ATOM 2222 CB GLU A 293 16.996 13.623 39.819 1.000 22.15 ATOM 2222 CB GLU A 293 16.996 13.623 39.819 1.000 22.15 ATOM 2222 CB GLU A 293 15.503 19.992 39.899 1.000 22.15 ATOM 2222 CB GLU A 293 15.030 10.845 38.987 1.000 22.15 ATOM 2222 CB GLU A 293 15.030 10.845 38.989 1.000 22.15 ATOM 2222 CB GLU A 293 15.030 10.845 38.989 1.000 22.15 ATOM 2223 C GLU A 293 12.412 10.175 38.141 1.000 25.56 ATOM 2233 O GLU A 293 12.412 10.1	ATOM	2197	CG	GLN	Α	289	7.406	11.535	37.748	1.000	34.50
ATOM 2200 NE2 GLN A 289 5.209 11.026 38.655 1.000 37.56 ATOM 2201 C GLN A 289 10.123 12.924 37.258 1.000 36.20 ATOM 2202 O GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2203 N THR A 290 11.402 12.994 37.619 1.000 32.67 ATOM 2205 CB THR A 290 11.857 14.147 38.382 1.000 32.24 ATOM 2205 CB THR A 290 12.078 13.862 39.878 1.000 27.63 ATOM 2206 OG1 THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2207 CG2 THR A 290 10.951 13.021 40.456 1.000 35.76 ATOM 2208 C THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2209 O THR A 290 13.921 13.935 37.191 1.000 31.85 ATOM 2210 N GLU A 291 13.421 15.963 38.072 1.000 41.73 ATOM 2211 CA GLU A 291 14.707 16.538 37.991 1.000 31.85 ATOM 2212 CB GLU A 291 14.707 16.538 37.692 1.000 44.06 ATOM 2213 CG GLU A 291 16.167 18.595 38.042 1.000 44.06 ATOM 2213 CG GLU A 291 16.164 20.001 38.627 1.000 51.27 ATOM 2214 CD GLU A 291 16.146 20.001 38.627 1.000 44.79 ATOM 2215 OE1 GLU A 291 16.146 20.001 38.627 1.000 44.79 ATOM 2217 C GLU A 291 16.146 20.001 38.627 1.000 44.79 ATOM 2217 C GLU A 291 15.255 20.769 38.205 1.000 44.79 ATOM 2217 C GLU A 291 16.404 20.001 38.627 1.000 50.92 ATOM 2218 O GLU A 291 16.404 17.50 40.550 1.000 44.79 ATOM 2219 N CYS A 292 15.513 15.486 39.714 1.000 27.69 ATOM 2219 C G GLU A 291 16.890 15.581 37.921 1.000 22.15 ATOM 2220 CA CYS A 292 15.513 15.486 39.714 1.000 27.69 ATOM 2221 CB CYS A 292 16.490 13.477 39.849 1.000 28.25 ATOM 2222 CG CYS A 292 16.490 13.477 39.849 1.000 28.25 ATOM 2222 CG CYS A 292 16.490 13.477 39.849 1.000 28.25 ATOM 2222 CG GLU A 293 15.591 13.092 39.819 1.000 28.74 ATOM 2223 C CYS A 292 16.490 13.623 38.087 1.000 28.74 ATOM 2223 C GLN A 293 15.503 10.045 38.887 1.000 27.52 ATOM 2223 C GLN A 293 15.503 10.045 38.887 1.000 27.52 ATOM 2223 C GLN A 293 16.294 11.621 38.459 1.000 27.52 ATOM 2223 C GLN A 293 16.294 11.621 38.459 1.000 27.52 ATOM 2223 C GLN A 293 16.294 11.621 38.459 1.000 27.52 ATOM 2233 O OE1 GLN A 293 12.412 10.175 38.141 1.000 25.56 ATOM 2233 O OE1 GLN A 293 12.503 8.909 40.009 1.000 27.55 ATOM 2233 O OE1 GLN A 293 12.503 8.909 4	MOTA	2198	CD	GLN	Α	289	6.481	10.661	38.562	1.000	30.01
ATOM 2201 C GLN A 289 5.209 11.026 38.655 1.000 37.56 ATOM 2201 C GLN A 289 10.123 12.924 37.258 1.000 36.20 ATOM 2202 O GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2203 N THR A 290 11.402 12.994 37.619 1.000 32.67 ATOM 2204 CA THR A 290 11.402 12.994 37.619 1.000 32.43 ATOM 2205 CB THR A 290 12.078 13.862 39.878 1.000 27.63 ATOM 2206 OG1 THR A 290 12.078 13.862 39.878 1.000 27.63 ATOM 2206 OG1 THR A 290 10.951 13.021 40.456 1.000 35.76 ATOM 2207 CG2 THR A 290 10.951 13.021 40.456 1.000 35.76 ATOM 2209 O THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2209 O THR A 290 13.91 14.677 37.822 1.000 42.79 ATOM 2209 O THR A 290 13.921 13.935 37.911 1.000 31.85 ATOM 2210 N GLU A 291 13.421 15.963 38.072 1.000 41.73 ATOM 2211 CA GLU A 291 14.707 16.538 37.991 1.000 33.95 ATOM 2212 CB GLU A 291 14.707 16.538 37.692 1.000 44.06 ATOM 2213 CG GLU A 291 14.749 18.032 37.980 1.000 44.06 ATOM 2213 CG GLU A 291 16.167 18.595 38.042 1.000 51.27 ATOM 2214 CD GLU A 291 16.146 20.001 38.627 1.000 50.92 ATOM 2215 OE1 GLU A 291 16.146 20.001 38.627 1.000 40.66 ATOM 2217 C GLU A 291 15.255 20.769 38.205 1.000 44.79 ATOM 2217 C GLU A 291 15.814 15.826 38.461 1.000 26.05 ATOM 2218 O GLU A 291 15.814 15.826 38.461 1.000 27.69 ATOM 2219 N CYS A 292 15.513 15.486 39.714 1.000 27.69 ATOM 2210 CB CYS A 292 16.490 13.693 39.487 1.000 22.15 ATOM 2220 CA CYS A 292 16.490 13.623 39.919 1.000 22.15 ATOM 2221 CB CYS A 292 16.490 13.623 39.919 1.000 22.15 ATOM 2222 CG CYS A 292 16.490 13.477 39.849 1.000 28.25 ATOM 2222 CG CA GLN A 293 15.503 10.845 38.887 1.000 29.87 ATOM 2223 C CYS A 292 16.908 13.477 39.849 1.000 28.25 ATOM 2223 C GLN A 293 15.503 10.845 38.987 1.000 22.15 ATOM 2223 C GLN A 293 15.503 10.845 38.987 1.000 22.15 ATOM 2223 C GLN A 293 15.503 10.845 38.989 1.000 22.15 ATOM 2223 C GLN A 293 15.503 10.845 38.989 1.000 22.15 ATOM 2223 C GLN A 293 12.412 10.175 38.141 1.000 25.56 ATOM 2233 O GLN A 293 12.503 12.097 39.250 1.000 22.55 ATOM 2233 O GLN A 293 12.503 12.097 39.950 1.000 25.55 ATOM 2233 O GLN A 293 12.503 12.007 37.355 1.0	ATOM	2199	OE1	GLN	Α	289	6.907	9.646	39.112	1.000	45.90
ATOM 2201 C GLN A 289 9.316 13.811 37.558 1.000 36.20 ATOM 2202 O GLN A 289 9.316 13.811 37.536 1.000 32.67 ATOM 2203 N THR A 290 11.402 12.994 37.619 1.000 32.67 ATOM 2205 CB THR A 290 11.857 14.147 38.382 1.000 32.24 ATOM 2205 CB THR A 290 12.078 13.862 39.878 1.000 27.63 ATOM 2206 OG1 THR A 290 13.285 13.106 40.043 1.000 42.04 ATOM 2207 CG2 THR A 290 10.951 13.021 40.456 1.000 35.76 ATOM 2208 C THR A 290 13.174 14.677 37.822 1.000 42.79 ATOM 2209 O THR A 290 13.174 14.677 37.822 1.000 42.79 ATOM 2210 N GLU A 291 13.421 15.963 38.072 1.000 41.73 ATOM 2211 CA GLU A 291 14.707 16.538 37.692 1.000 41.73 ATOM 2212 CB GLU A 291 14.707 16.538 37.692 1.000 44.06 ATOM 2213 CG GLU A 291 16.167 18.595 38.042 1.000 51.27 ATOM 2214 CD GLU A 291 16.167 18.595 38.042 1.000 50.92 ATOM 2215 OE1 GLU A 291 16.146 20.001 38.627 1.000 44.79 ATOM 2215 OE2 GLU A 291 16.146 20.001 38.627 1.000 44.79 ATOM 2216 OE2 GLU A 291 15.513 15.866 39.487 1.000 44.79 ATOM 2217 C GLU A 291 15.513 15.866 39.487 1.000 44.79 ATOM 2218 OE GLU A 291 15.814 15.826 38.461 1.000 26.05 ATOM 2219 N CYS A 292 15.513 15.486 39.714 1.000 27.65 ATOM 2219 CB CLU A 291 16.890 15.581 37.921 1.000 31.12 ATOM 2219 CB CLU A 291 15.814 15.826 38.461 1.000 26.05 ATOM 2221 CB CLU A 291 16.890 15.581 37.921 1.000 31.12 ATOM 2219 N CYS A 292 15.513 15.486 39.714 1.000 27.69 ATOM 2221 CB CLU A 291 16.890 15.581 39.497 1.000 26.05 ATOM 2221 CB CLU A 291 16.890 15.581 39.919 1.000 28.25 ATOM 2222 CG CYS A 292 16.490 13.427 39.849 1.000 22.15 ATOM 2222 CG CG CYS A 292 16.490 13.427 39.849 1.000 22.15 ATOM 2221 CB CLU A 293 15.930 15.946 39.819 1.000 22.15 ATOM 2222 CG GLU A 293 15.930 15.946 39.819 1.000 22.15 ATOM 2223 C CYS A 292 16.906 13.623 43.050 1.000 68.90 ATOM 2223 C CG GLU A 293 15.930 10.001 39.250 1.000 22.15 ATOM 2223 C GLU A 293 15.930 10.001 39.250 1.000 22.15 ATOM 2223 C GLU A 293 15.930 10.001 39.250 1.000 22.15 ATOM 2223 C GLU A 293 12.402 10.175 38.441 1.000 27.52 ATOM 2233 O CE GLU A 293 12.402 10.175 38.441 1.000 27.52 ATOM 2233 O CE GLU A 293 12.402 1		2200	NE2	GLN	Α	289	5.209	11.026	38.655	1.000	37.56
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ATOM 2218 O GLU A 291 16.890 15.581 37.921 1.000 31.12 ATOM 2219 N CYS A 292 15.513 15.486 39.714 1.000 27.69 ATOM 2220 CA CYS A 292 16.460 14.750 40.550 1.000 22.15 ATOM 2221 CB CYS A 292 15.840 14.409 41.899 1.000 28.25 ATOM 2222 SG CYS A 292 16.996 13.623 43.050 1.000 68.90 ATOM 2223 C CYS A 292 16.908 13.477 39.849 1.000 29.87 ATOM 2224 O CYS A 292 18.079 13.092 39.819 1.000 32.69 ATOM 2225 N GLN A 293 15.924 12.801 39.246 1.000 28.10 ATOM 2226 CA GLN A 293 16.294 11.621 38.459 1.000 28.74 ATOM 2227 CB GLN A 293 15.030 10.845 38.087 1.000 25.18 ATOM 2228 CG GLN A 293 15.030 10.845 38.087 1.000 25.18 ATOM 2229 CD GLN A 293 13.034 9.698 39.089 1.000 27.52 ATOM 2230 OE1 GLN A 293 12.412 10.175 38.141 1.000 28.92 ATOM 2231 NE2 GLN A 293 12.503 8.909 40.009 1.000 24.69 ATOM 2232 C GLN A 293 17.097 12.037 37.235 1.000 29.57 ATOM 2233 O GLN A 293 18.056 11.373 36.831 1.000 25.56 ATOM 2234 N TYR A 294 16.706 13.165 36.640 1.000 27.49	MOTA	2216	OE2				15.255	20.769	38.205	1.000	44.79
ATOM 2219 N CYS A 292 15.513 15.486 39.714 1.000 27.69 ATOM 2220 CA CYS A 292 16.460 14.750 40.550 1.000 22.15 ATOM 2221 CB CYS A 292 15.840 14.409 41.899 1.000 28.25 ATOM 2222 SG CYS A 292 16.996 13.623 43.050 1.000 68.90 ATOM 2223 C CYS A 292 16.908 13.477 39.849 1.000 29.87 ATOM 2224 O CYS A 292 18.079 13.092 39.819 1.000 32.69 ATOM 2225 N GLN A 293 15.924 12.801 39.246 1.000 28.10 ATOM 2226 CA GLN A 293 16.294 11.621 38.459 1.000 28.74 ATOM 2227 CB GLN A 293 15.030 10.845 38.087 1.000 25.18 ATOM 2228 CG GLN A 293 14.509 10.017 39.250 1.000 22.15 ATOM 2229 CD GLN A 293 13.034 9.698 39.089 1.000 27.52 ATOM 2230 OE1 GLN A 293 12.412 10.175 38.141 1.000 28.92 ATOM 2231 NE2 GLN A 293 12.503 8.909 40.009 1.000 24.69 ATOM 2232 C GLN A 293 17.097 12.037 37.235 1.000 29.57 ATOM 2233 O GLN A 293 18.056 11.373 36.831 1.000 25.56 ATOM 2234 N TYR A 294 16.706 13.165 36.640 1.000 27.49	MOTA	2217	C	GLU	Α	291	15.814	15.826	38.461	1.000	26.05
ATOM 2221 CB CYS A 292 15.840 14.409 41.899 1.000 22.15 ATOM 2222 SG CYS A 292 16.996 13.623 43.050 1.000 68.90 ATOM 2223 C CYS A 292 16.908 13.477 39.849 1.000 29.87 ATOM 2224 O CYS A 292 18.079 13.092 39.819 1.000 32.69 ATOM 2225 N GLN A 293 15.924 12.801 39.246 1.000 28.10 ATOM 2226 CA GLN A 293 16.294 11.621 38.459 1.000 28.74 ATOM 2227 CB GLN A 293 15.030 10.845 38.087 1.000 25.18 ATOM 2228 CG GLN A 293 14.509 10.017 39.250 1.000 22.15 ATOM 2229 CD GLN A 293 13.034 9.698 39.089 1.000 27.52 ATOM 2231 NE2 GLN A 293 12.412 10.175 38.141 1.000 28.92 ATOM 2232 C GLN A 293 17.097 12.037 37.235 1.000 29.57 ATOM 2233 O GLN A 293 18.056 11.373 36.831 1.000 25.56 ATOM 2234 N TYR A 294 16.706 13.165 36.640 1.000 27.49	ATOM	2218	0	GLU	Α	291	16.890	15.581	37.921	1.000	31.12
ATOM 2221 CB CYS A 292 15.840 14.409 41.899 1.000 28.25 ATOM 2222 SG CYS A 292 16.996 13.623 43.050 1.000 68.90 ATOM 2223 C CYS A 292 16.908 13.477 39.849 1.000 29.87 ATOM 2224 O CYS A 292 18.079 13.092 39.819 1.000 32.69 ATOM 2225 N GLN A 293 15.924 12.801 39.246 1.000 28.10 ATOM 2226 CA GLN A 293 16.294 11.621 38.459 1.000 28.74 ATOM 2227 CB GLN A 293 15.030 10.845 38.087 1.000 25.18 ATOM 2228 CG GLN A 293 14.509 10.017 39.250 1.000 22.15 ATOM 2229 CD GLN A 293 13.034 9.698 39.089 1.000 27.52 ATOM 2231 NE2 GLN A 293 12.412 10.175 38.141 1.000 28.92 ATOM 2232 C GLN A 293 12.503 8.909 40.009 1.000 24.69 ATOM 2233 O GLN A 293 17.097 12.037 37.235 1.000 29.57 ATOM 2234 N TYR A 294 16.706 13.165 36.640 1.000 27.49	ATOM	2219	N	CYS	Α	292	15.513	15.486	39.714	1.000	27.69
ATOM 2222 SG CYS A 292 16.996 13.623 43.050 1.000 68.90 ATOM 2223 C CYS A 292 16.908 13.477 39.849 1.000 29.87 ATOM 2224 O CYS A 292 18.079 13.092 39.819 1.000 32.69 ATOM 2225 N GLN A 293 15.924 12.801 39.246 1.000 28.10 ATOM 2226 CA GLN A 293 16.294 11.621 38.459 1.000 28.74 ATOM 2227 CB GLN A 293 15.030 10.845 38.087 1.000 25.18 ATOM 2228 CG GLN A 293 14.509 10.017 39.250 1.000 22.15 ATOM 2229 CD GLN A 293 13.034 9.698 39.089 1.000 27.52 ATOM 2230 OE1 GLN A 293 12.412 10.175 38.141 1.000 28.92 ATOM 2231 NE2 GLN A 293 12.503 8.909 40.009 1.000 24.69 ATOM 2232 C GLN A 293 17.097 12.037 37.235 1.000 29.57 ATOM 2233 O GLN A 293 18.056 11.373 36.831 1.000 25.56 ATOM 2234 N TYR A 294 16.706 13.165 36.640 1.000 27.49	ATOM	2220	CA	CYS	Α	292	16.460	14.750	40.550	1.000	22.15
ATOM 2222 SG CYS A 292 16.996 13.623 43.050 1.000 68.90 ATOM 2223 C CYS A 292 16.908 13.477 39.849 1.000 29.87 ATOM 2224 O CYS A 292 18.079 13.092 39.819 1.000 32.69 ATOM 2225 N GLN A 293 15.924 12.801 39.246 1.000 28.10 ATOM 2226 CA GLN A 293 16.294 11.621 38.459 1.000 28.74 ATOM 2227 CB GLN A 293 15.030 10.845 38.087 1.000 25.18 ATOM 2228 CG GLN A 293 14.509 10.017 39.250 1.000 22.15 ATOM 2229 CD GLN A 293 13.034 9.698 39.089 1.000 27.52 ATOM 2230 OE1 GLN A 293 12.412 10.175 38.141 1.000 28.92 ATOM 2231 NE2 GLN A 293 12.503 8.909 40.009 1.000 24.69 ATOM 2232 C GLN A 293 17.097 12.037 37.235 1.000 29.57 ATOM 2233 O GLN A 293 18.056 11.373 36.831 1.000 25.56 ATOM 2234 N TYR A 294 16.706 13.165 36.640 1.000 27.49	ATOM	2221	СВ	CYS	Α	292	15.840	14.409	41.899	1.000	28.25
ATOM 2223 C CYS A 292 16.908 13.477 39.849 1.000 29.87 ATOM 2224 O CYS A 292 18.079 13.092 39.819 1.000 32.69 ATOM 2225 N GLN A 293 15.924 12.801 39.246 1.000 28.10 ATOM 2226 CA GLN A 293 16.294 11.621 38.459 1.000 28.74 ATOM 2227 CB GLN A 293 15.030 10.845 38.087 1.000 25.18 ATOM 2228 CG GLN A 293 14.509 10.017 39.250 1.000 22.15 ATOM 2229 CD GLN A 293 13.034 9.698 39.089 1.000 27.52 ATOM 2230 OE1 GLN A 293 12.412 10.175 38.141 1.000 28.92 ATOM 2231 NE2 GLN A 293 12.503 8.909 40.009 1.000 24.69 ATOM 2232 C GLN A 293 17.097 12.037 37.235 1.000 29.57 ATOM 2233 O GLN A 293 18.056 11.373 36.831 1.000 25.56 ATOM 2234 N TYR A 294 16.706 13.165 36.640 1.000 27.49		2222	SG	CYS	A	292	16.996	13.623	43.050	1.000	68.90
ATOM 2224 O CYS A 292 18.079 13.092 39.819 1.000 32.69 ATOM 2225 N GLN A 293 15.924 12.801 39.246 1.000 28.10 ATOM 2226 CA GLN A 293 16.294 11.621 38.459 1.000 28.74 ATOM 2227 CB GLN A 293 15.030 10.845 38.087 1.000 25.18 ATOM 2228 CG GLN A 293 14.509 10.017 39.250 1.000 22.15 ATOM 2229 CD GLN A 293 13.034 9.698 39.089 1.000 27.52 ATOM 2230 OE1 GLN A 293 12.412 10.175 38.141 1.000 28.92 ATOM 2231 NE2 GLN A 293 12.503 8.909 40.009 1.000 24.69 ATOM 2232 C GLN A 293 17.097 12.037 37.235 1.000 29.57 ATOM 2233 O GLN A 293 18.056 11.373 36.831 1.000 25.56 ATOM 2234 N TYR A 294 16.706 13.165 36.640 1.000 27.49									39.849	1.000	29.87
ATOM 2225 N GLN A 293 15.924 12.801 39.246 1.000 28.10 ATOM 2226 CA GLN A 293 16.294 11.621 38.459 1.000 28.74 ATOM 2227 CB GLN A 293 15.030 10.845 38.087 1.000 25.18 ATOM 2228 CG GLN A 293 14.509 10.017 39.250 1.000 22.15 ATOM 2229 CD GLN A 293 13.034 9.698 39.089 1.000 27.52 ATOM 2230 OE1 GLN A 293 12.412 10.175 38.141 1.000 28.92 ATOM 2231 NE2 GLN A 293 12.503 8.909 40.009 1.000 24.69 ATOM 2232 C GLN A 293 17.097 12.037 37.235 1.000 29.57 ATOM 2233 O GLN A 293 18.056 11.373 36.831 1.000 25.56 ATOM 2234 N TYR A 294 16.706 13.165 36.640 1.000 27.49											
ATOM 2226 CA GLN A 293 16.294 11.621 38.459 1.000 28.74 ATOM 2227 CB GLN A 293 15.030 10.845 38.087 1.000 25.18 ATOM 2228 CG GLN A 293 14.509 10.017 39.250 1.000 22.15 ATOM 2229 CD GLN A 293 13.034 9.698 39.089 1.000 27.52 ATOM 2230 OE1 GLN A 293 12.412 10.175 38.141 1.000 28.92 ATOM 2231 NE2 GLN A 293 12.503 8.909 40.009 1.000 24.69 ATOM 2232 C GLN A 293 17.097 12.037 37.235 1.000 29.57 ATOM 2233 O GLN A 293 18.056 11.373 36.831 1.000 25.56 ATOM 2234 N TYR A 294 16.706 13.165 36.640 1.000 27.49											
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ATOM 2228 CG GLN A 293 14.509 10.017 39.250 1.000 22.15 ATOM 2229 CD GLN A 293 13.034 9.698 39.089 1.000 27.52 ATOM 2230 OE1 GLN A 293 12.412 10.175 38.141 1.000 28.92 ATOM 2231 NE2 GLN A 293 12.503 8.909 40.009 1.000 24.69 ATOM 2232 C GLN A 293 17.097 12.037 37.235 1.000 29.57 ATOM 2233 O GLN A 293 18.056 11.373 36.831 1.000 25.56 ATOM 2234 N TYR A 294 16.706 13.165 36.640 1.000 27.49											
ATOM 2229 CD GLN A 293 13.034 9.698 39.089 1.000 27.52 ATOM 2230 OE1 GLN A 293 12.412 10.175 38.141 1.000 28.92 ATOM 2231 NE2 GLN A 293 12.503 8.909 40.009 1.000 24.69 ATOM 2232 C GLN A 293 17.097 12.037 37.235 1.000 29.57 ATOM 2233 O GLN A 293 18.056 11.373 36.831 1.000 25.56 ATOM 2234 N TYR A 294 16.706 13.165 36.640 1.000 27.49											
ATOM 2230 OE1 GLN A 293 12.412 10.175 38.141 1.000 28.92 ATOM 2231 NE2 GLN A 293 12.503 8.909 40.009 1.000 24.69 ATOM 2232 C GLN A 293 17.097 12.037 37.235 1.000 29.57 ATOM 2233 O GLN A 293 18.056 11.373 36.831 1.000 25.56 ATOM 2234 N TYR A 294 16.706 13.165 36.640 1.000 27.49											
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ATOM 2234 N TYR A 294 16.706 13.165 36.640 1.000 27.49											
ATOM 2235 CA TYR A 294 17.399 13.690 35.469 1.000 28.60											
	MOTA	2235	CA	TYR	A	294	17.399	13.690	35.469	1.000	28.60

ATOM	2236	CB	TYR	A	294	16.667	14.921	34.934	1.000	26.37
ATOM	2237	CG	TYR	. A	294	17.095	15.300	33.540	1.000	27.25
ATOM	2238	CD1	TYR	A	294	16.934	14.379	32.509	1.000	37.08
ATOM	2239	CE1	TYR	Α	294	17.311	14.682	31.218	1.000	37.31
ATOM	2240	CZ			294	17.861	15.920	30.951	1.000	39.27
ATOM	2241	ОН			294	18.234	16.214	29.659		
ATOM	2242	CE2			294	18.030	16.846	31.957		
ATOM	2243	CD2			294	17.648	16.535	33.252		
ATOM	2244	C			294	18.844	14.045	35.798		
ATOM	2245	0			294	19.783	13.828	35.040		34.04
ATOM	2245	N			295	19.763	14.611	36.978		22.51
					295	20.439	14.811			
ATOM	2247	CA						37.384		
ATOM	2248	CB			295	20.466	15.733	38.675		
ATOM	2249	CG1			295	21.858	15.698	39.282		
ATOM	2250		VAL			20.006	17.152	38.372		
ATOM	2251	С			295	21.228	13.612	37.608		
MOTA	2252	0			295	22.364	13.460	37.153		
MOTA	2253	N			296	20.606	12.678	38.319		26.27
ATOM	2254	CA			296	21.232	11.378	38.578	1.000	29.32
MOTA	2255	CB			296	20.229	10.492	39.314		28.67
MOTA	2256	CG	TYR	Α	296	20.761	9.196	39.861	1.000	35.66
ATOM	2257	CD1	TYR	Α	296	21.638	9.150	40.937	1.000	33.98
MOTA	2258	CE1	TYR	Α	296	22.119	7.951	41.431	1.000	32.73
ATOM	2259	CZ	TYR	Α	296	21.722	6.770	40.842	1.000	33.73
MOTA	2260	ОН	TYR	Α	296	22.187	5.561	41.318	1.000	35.73
ATOM	2261	CE2	TYR	Α	296	20.853	6.786	39.775	1.000	33.85
ATOM	2262	CD2	TYR	Α	296	20.376	7.987	39.290		37.49
ATOM	2263	С	TYR	Α	296	21.742	10.739	37.295	1.000	27.66
ATOM	2264	0			296	22.831	10.150	37.266		
ATOM	2265	N			297	21.015	10.840	36.184		26.94
ATOM	2266	CA			297	21.497	10.174	34.968	1.000	
ATOM	2267	СВ			297	20.459	10.187	33.846		
ATOM	2268	CG			297	19.141	9.462		1.000	
ATOM	2269		LEU			18.119	9.734	33.046		
ATOM	2270		LEU			19.357	7.966	34.270		
ATOM	2271	C			297	22.795	10.820	34.495		
ATOM	2272	0			297	23.704	10.129	34.036		
ATOM	2273	N	HIS			22.879	12.139	34.606		
ATOM	2274	CA			298	24.115		34.291		
ATOM	2275	CB	HIS			23.871	14.358	34.261		
ATOM	2276	CG	HIS			22.964	14.791			
ATOM	2277							33.153		
			HIS			21.598	14.646	33.222		
ATOM	2278		HIS			21.052	15.109	32.108		
ATOM	2279		HIS			22.021	15.545	31.322		
ATOM	2280		HIS			23.228	15.356	31.954		
MOTA	2281	С	HIS			25.202	12.524	35.310		
ATOM	2282	0	HIS			26.358	12.314	34.945		
ATOM	2283	N	GLN			24.848	12.470	36.599		
ATOM	2284	CA	GLN			25.880	12.104	37.579		
ATOM	2285	CB	GLN			25.339	12.184	39.001		
ATOM	2286	CG	GLN			24.925	13.584	39.424		
ATOM	2287	CD	GLN	A	299	24.110	13.598	40.702	1.000	49.76

MOTA	2288	OE1	GLN A	299	23.289	12.715	40.953	1.000	45.00
ATOM	2289	NE2	GLN A	299	24.315	14.612	41.540	1.000	34.03
ATOM	2290	С	GLN A	299	26.425	10.712	37.267	1.000	42.34
ATOM	2291	0	GLN A	299	27.602	10.424	37.494	1.000	36.30
ATOM	2292	N	CYS A		25.565	9.845	36.732		
ATOM	2293	CA	CYS A		25.967	8.486	36.389		
ATOM	2294	СВ	CYS A		24.743	7.622	36.058	1.000	
ATOM	2295	SG	CYS A		23.923	6.884	37.493		
ATOM	2296	C	CYS A		26.937	8.476	35.217	1.000	
ATOM	2297	Ö	CYS A		27.937	7.754	35.210		-
ATOM	2298	N	VAL A		26.651	9.279	34.193		
ATOM	2299	CA	VAL A		27.534	9.265	33.021	1.000	48.01
ATOM	2300	CB	VAL A		26.875	9.944	31.809		44.81
ATOM	2300	CG1			27.860	10.046	30.650	1.000	34.28
ATOM	2301	CG2	VAL A		25.626	9.187	31.372	1.000	
ATOM	2302	C	VAL A		28.865	9.935	33.351	1.000	
ATOM	2303	0	VAL A		29.937	9.511	32.918	1.000	43.92
ATOM	2304	N	ARG A		28.808	11.008	34.140	1.000	49.27
ATOM	2305	CA	ARG A		30.013	11.730	34.140	1.000	45.50
ATOM	2300	CB	ARG A		29.670	12.984	35.328	1.000	
ATOM	2307	CG	ARG A		30.898	13.642	35.952	1.000	44.65
ATOM	2309	CD	ARG A		30.517	14.426	37.200	1.000	42.63
ATOM	2310	NE	ARG A		30.239	13.510	38.308	1.000	45.99
ATOM	2311	CZ	ARG A		29.458	13.803	39.336	1.000	50.62
ATOM	2312	NH1	ARG A		28.871	14.992	39.338	1.000	51.05
ATOM	2312	NH2			29.264	12.909	40.297	1.000	48.05
ATOM	2314	C	ARG A		30.955	10.852	35.332	1.000	44.54
ATOM	2315	0	ARG A		32.162	10.831	35.095	1.000	56.02
ATOM	2316	N	ASP A		30.409	10.124	36.305		44.54
ATOM	2317	CA	ASP A		31.292	9.270	37.105		43.81
ATOM	2318	CB	ASP A		30.542	8.705	38.312	1.000	34.49
ATOM	2319	CG	ASP A		30.053	9.823	39.215	1.000	37.57
ATOM	2320	OD1	ASP A		30.540	10.963	39.057	1.000	
ATOM	2321	OD2	ASP A		29.183	9.594	40.078	1.000	
ATOM	2322	C		303	31.889	8.163	36.248	1.000	
ATOM	2323	Ö	ASP A		33.015	7.724	36.489	1.000	
ATOM	2324	N	VAL A		31.151	7.703	35.241		50.71
ATOM	2325	CA	VAL A		31.668	6.631	34.389	1.000	
ATOM	2326	CB	VAL A		30.541	5.917	33.628		51.23
ATOM	2327		VAL A		30.871	5.761	32.150		
ATOM	2328		VAL A		30.277	4.561	34.263		
ATOM	2329	C	VAL A		32.697	7.175	33.404		
ATOM	2330	Ō	VAL A		33.656	6.498	33.037		
ATOM	2331	N	LEU A		32.489	8.413	32.981		
ATOM	2332	CA	LEU A		33.442	9.091	32.106		
ATOM	2333	CB	LEU A		32.783	10.338	31.507		
ATOM	2334	CG	LEU A		31.872	10.008	30.314		
ATOM	2335		LEU A		31.630	11.216	29.427		
ATOM	2336		LEU A		32.488	8.860	29.529		
ATOM	2337	C	LEU A		34.728	9.439	32.849		
ATOM	2338	Õ	LEU A		35.814	9.387	32.266		
ATOM	2339	N	ARG A		34.601	9.776	34.127		
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ATOM	2340	CA	ARG	Α	306	35.714	10.014	35.032 1.000 66.90
ATOM	2341	CB	ARG	Α	306	35.210	10.407	36.420 1.000 62.97
ATOM	2342	CG	ARG			34.909	11.889	36.584 1.000 63.46
						34.233	12.132	37.927 1.000 63.67
ATOM	2343	CD	ARG					38.091 1.000 72.26
MOTA	2344	NE	ARG			33.867	13.537	
ATOM	2345	CZ	ARG			33.178	13.982	39.131 1.000 81.44
MOTA	2346	NH1	ARG	Α	306	32.786	13.132	40.074 1.000 88.77
ATOM	2347	NH2	ARG	Α	306	32.874	15.266	39.234 1.000 94.65
ATOM	2348	С	ARG	Α	306	36.601	8.773	35.157 1.000 69.05
ATOM	2349	0	ARG	Α	306	37.722	8.751	34.650 1.000 60.08
ATOM	2350	N	ALA			36.073	7.760	35.834 1.000 70.13
MOTA	2351	CA	ALA			36.735	6.475	36.013 1.000 72.89
ATOM	2352	CB	ALA			35.766	5.449	36.576 1.000 79.56
						37.324	5.984	34.694 1.000 75.87
MOTA	2353	С	ALA					
MOTA	2354	0	ALA			38.449	5.491	
MOTA	2355	N	ARG			36.535	6.146	33.635 1.000 72.53
MOTA	2356	CA	ARG			36.980	5.843	32.285 1.000 71.87
ATOM	2357	CB	ARG	Α	308	35.954	6.318	31.260 1.000 72.41
MOTA	2358	CG	ARG	Α	308	35.892	5.489	29.991 1.000 75.31
ATOM	2359	CD	ARG	Α	308	34.468	5.480	29.453 1.000 81.76
ATOM	2360	NE	ARG			34.286	4.508	28.381 1.000 82.26
ATOM	2361	CZ	ARG			33.963	4.835	27.136 1.000 81.15
ATOM	2362		ARG			33.794	6.106	26.802 1.000 66.44
	2363		ARG			33.818	3.879	26.222 1.000 98.94
ATOM						38.316	6.522	31.997 1.000 79.31
ATOM	2364	С	ARG					32.636 1.000 93.34
MOTA	2365	0	ARG			39.323	6.227	
MOTA	2366	N	LYS			38.277	7.433	31.039 1.000 83.39
MOTA	2367	CA	LYS			39.434	8.214	30.626 1.000 85.77
MOTA	2368	CB			309	39.029	9.196	29.532 1.000 85.52
MOTA	2369	CG	LYS	Α	309	37.652	8.903	28.934 1.000 85.90
ATOM	2370	CD	LYS	Α	309	36.903	10.189	28.611 1.000 87.13
ATOM	2371	CE	LYS	Α	309	37.828	11.241	28.041 1.000 90.18
MOTA	2372	NZ	LYS			37.294	11.834	26.782 1.000 95.87
ATOM	2373	С	LYS			40.045	8.948	31.819 1.000 88.05
ATOM	2374	0	LYS			39.829	10.143	32.007 1.000 83.82
	2375	N	LEU			40.812	8.199	32.602 1.000 91.25
ATOM			LEU			41.488	8.642	33.803 1.000 89.65
ATOM	2376	CA						35.031 1.000 89.61
ATOM	2377	CB	LEU			40.575	8.511	36.375 1.000 91.78
MOTA	2378	CG	LEU			41.209	8.874	
MOTA	2379		LEU				10.213	36.280 1.000 97.42
MOTA	2380	CD2	LEU			40.167	8.896	37.476 1.000 97.23
MOTA	2381	С	LEU	Α	310	42.772	7.848	34.034 1.000 88.08
ATOM	2382	0	LEU	Α	310	42.708	6.719	34.516 1.000 91.11
ATOM	2383	N	LYS	В	19	45.803	11.373	51.943 1.000103.56
MOTA	2384	CA	LYS		19	45.533	10.011	51.483 1.000 77.94
ATOM	2385	СВ	LYS		19	46.473	9.008	52.147 1.000 82.60
MOTA	2386	CG	LYS		19	46.882	7.835	51.255 1.000 87.87
	2387	CD	LYS		19	48.286	7.354	51.584 1.000 91.26
ATOM			LYS		19	49.120	7.117	50.329 1.000 90.51
ATOM	2388	CE						50.628 1.000 76.07
ATOM	2389	NZ	LYS		19	50.584	7.099	51.751 1.000 64.77
ATOM	2390	C	LYS		19	44.082	9.614	
MOTA	2391	0	LYS	В	19	43.153	10.321	51.368 1.000 54.90

MOTA	2392	N	THR	В	20	43.927	8.473	52.402	1.000	58.60
MOTA	2393	CA	THR	В	20	42.644	7.870	52.709	1.000	50.23
ATOM	2394	CB	THR	В	20	42.853	6.643	53.618	1.000	48.19
ATOM	2395	OG1	THR	В	20	41.626	6.256	54.241	1.000	67.26
ATOM	2396	CG2	THR		20	43.824	6.994	54.737	1.000	41.73
MOTA	2397	С	THR	В	20	41.695	8.862	53.376	1.000	
ATOM	2398	Ō	THR		20	42.126	9.839	53.992		
ATOM	2399	N	SER		21	40.407	8.579	53.235	1.000	
ATOM	2400	CA	SER		21	39.308	9.335	53.812	1.000	
ATOM	2401	СВ	SER		21	39.008	10.562	52.951	1.000	
ATOM	2402	OG	SER		21	38.000	10.316	51.989	1.000	
ATOM	2403	C	SER		21	38.071	8.452	53.980		51.70
ATOM	2403	0	SER		21	38.044	7.306	53.523	1.000	45.33
	2404	N	CYS		22					
ATOM						37.038	8.961	54.640	1.000	48.54
ATOM	2406	CA	CYS		22	35.824	8.195	54.908	1.000	
ATOM	2407	CB	CYS		22	35.884	7.524	56.281	1.000	
ATOM	2408	SG	CYS		22	36.813	5.974	56.365		93.30
MOTA	2409	C	CYS		22	34.590	9.082	54.851	1.000	38.62
MOTA	2410	0	CYS		22	34.027	9.443	55.887		49.86
ATOM	2411	N	PRO		23	34.143	9.447	53.659		47.14
ATOM	2412	CA	PRO		23	32.954	10.304	53.566	1.000	56.35
MOTA	2413	CB	PRO		23	32.868	10.652	52.085	1.000	55.14
MOTA	2414	CG	PRO		23	34.157	10.216	51.473	1.000	48.26
MOTA	2415	CD	PRO	В	23	34.680	9.104	52.334	1.000	45.23
ATOM	2416	С	PRO		23	31.720	9.529	54.021	1.000	59.08
MOTA	2417	0	PRO	В	23	31.566	8.358	53.677	1.000	63.26
MOTA	2418	N	ILE	В	24	30.856	10.175	54.800	1.000	57.72
MOTA	2419	CA	ILE	В	24	29.645	9.515	55.274	1.000	57.66
MOTA	2420	CB	ILE	В	24	29.730	9.129	56.761	1.000	61.40
MOTA	2421	CG1	ILE	В	24	30.656	7.951	57.048	1.000	63.99
ATOM	2422	CD1	ILE	В	24	31.645	8.269	58.170	1.000	72.75
MOTA	2423	CG2	ILE	В	24	28.346	8.849	57.336	1.000	55.60
ATOM	2424	С	ILE	В	24	28.423	10.404	55.073	1.000	56.32
ATOM	2425	0	ILE	В	24	28.463	11.607	55.319	1.000	56.42
MOTA	2426	N	LYS	В	25	27.336	9.790	54.618	1.000	60.08
MOTA	2427	CA	LYS	В	25	26.083	10.506	54.431	1.000	69.15
ATOM	2428	CB	LYS	В	25	24.998	9.583	53.874	1.000	82.75
ATOM	2429	CG	LYS	В	25	25.033	9.350	52.369	1.000	85.99
ATOM	2430	CD	LYS	В	25	24.777	7.874	52.048	1.000	85.92
ATOM	2431	CE	LYS	В	25	26.083	7.172	51.689		
ATOM	2432	NZ	LYS		25	26.510	7.499	50.285		
ATOM	2433	С	LYS		25	25.604	11.112	55.747		
ATOM	2434	0	LYS		25	25.591	10.438	56.783		
ATOM	2435	N	ILE		26	25.195	12.378	55.680		
ATOM	2436	CA	ILE		26	24.670	13.059	56.860		
ATOM	2437	СВ	ILE		26	24.575	14.581			58.65
ATOM	2438	CG1	ILE		26	23.569	15.042	55.620		
ATOM	2439		ILE		26	23.370	16.547	55.610		
ATOM	2440		ILE		26	25.953	15.157	56.389		
ATOM	2441	C	ILE		26	23.291	12.498	57.214		58.06
ATOM	2442	0	ILE		26	22.810	12.724	58.319		
ATOM	2443	N	ASN		27	22.730	11.784	56.260		
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ATOM	2444	CA	ASN	В	27	21.489	11.049	56.299 1.000 59.75
ATOM	2445	CB	ASN	В	27	21.008	10.743	54.876 1.000 63.07
MOTA	2446	CG	ASN	В	27	20.656	12.000	54.106 1.000 65.31
ATOM	2447	OD1	ASN	В	27	20.305	11.913	52.930 1.000 50.97
MOTA	2448	ND2	ASN	В	27	20.748	13.143	54.774 1.000 75.32
ATOM	2449	С	ASN	В	27	21.632	9.724	57.040 1.000 57.11
MOTA	2450	0	ASN	В	27	20.646	9.183	57.534 1.000 57.56
ATOM	2451	N	GLN	В	28	22.856	9.217	57.094 1.000 57.63
ATOM	2452	CA	GLN	В	28	23.130	7.930	57.717 1.000 56.91
ATOM	2453	CB	GLN	В	28	23.761	6.988	56.678 1.000 64.21
MOTA	2454	CG	GLN		28	24.000	5.578	57.192 1.000 66.30
ATOM	2455	CD	GLN		28	22.771	4.698	57.075 1.000 70.95
ATOM	2456	OE1			28	22.005	4.829	56.119 1.000 74.56
ATOM	2457	NE2	GLN		28	22.580	3.801	58.039 1.000 63.57
ATOM	2458	C	GLN		28	24.053	8.043	58.917 1.000 44.81
ATOM	2459	Ō	GLN		28	24.358	7.034	59.556 1.000 48.39
ATOM	2460	N	PHE	В	29	24.526	9.244	59.241 1.000 46.88
ATOM	2461	CA	PHE	В	29	25.544	9.393	60.273 1.000 36.76
ATOM	2462	СВ		В	29	25.849	10.882	60.532 1.000 43.65
ATOM	2463	CG	PHE	В	29	27.092	11.033	61.384 1.000 41.38
ATOM	2464	CD1		В	29	28.348	10.939	60.813 1.000 39.51
ATOM	2465	CE1	PHE		29	29.493	11.073	61.579 1.000 39.09
ATOM	2466	CZ	PHE		29	29.383	11.303	62.933 1.000 38.33
ATOM	2467	CE2	PHE		29	28.131	11.392	63.518 1.000 42.37
ATOM	2468			В	29	26.995	11.257	62.747 1.000 38.83
MOTA	2469	C	PHE		29	25.186	8.747	61.601 1.000 37.74
ATOM	2470	Ö	PHE		29	26.032	8.087	62.213 1.000 43.72
ATOM	2471	N	GLU		30	23.960	8.933	62.080 1.000 45.93
ATOM	2472	CA	GLU		30	23.554	8.292	63.331 1.000 49.96
ATOM	2473	СВ	GLU		30	22.082	8.589	63.614 1.000 61.18
ATOM	2474	CG	GLU		30	21.655	8.277	65.041 1.000 72.30
ATOM	2475	CD	GLU		30	22.517	8.965	66.069 1.000 84.23
MOTA	2476	OE1	GLU		30	23.748	8.742	66.082 1.000104.41
ATOM	2477	OE2	GLU		30	21.962	9.740	66.892 1.000 90.78
ATOM	2478	C	GLU		30	23.801	6.785	63.292 1.000 53.76
ATOM	2479	0	GLU		30	24.396	6.207	64.208 1.000 40.13
ATOM	2480	N	GLY		31	23.348	6.160	62.207 1.000 50.11
ATOM	2481	CA	GLY		31	23.552	4.743	61.979 1.000 39.81
ATOM	2482	C	GLY		31	25.024	4.352	61.975 1.000 42.21
MOTA	2483	0	GLY		31	25.429	3.569	62.841 1.000 48.72
ATOM	2484	N	HIS		32	25.786	4.891	61.027 1.000 44.34
ATOM	2485	CA	HIS		32	27.227	4.682	60.898 1.000 44.47
ATOM	2486	CB	HIS		32	27.848	5.622	59.865 1.000 46.08
ATOM	2487	CG	HIS		32	29.339	5.758	59.929 1.000 57.10
MOTA	2488		HIS		32	30.199	4.924	59.241 1.000 54.47
MOTA	2489		HIS		32	31.451	5.291	59.477 1.000 52.58
MOTA	2490		HIS		32	31.440	6.328	60.296 1.000 49.52
ATOM	2490		HIS		32	30.140	6.650	60.573 1.000 56.38
ATOM	2491	CDZ	HIS		32	27.916	4.872	62.244 1.000 43.34
ATOM	2492	0	HIS		32	28.702	4.051	62.710 1.000 44.29
ATOM	2493	N	PHE		33	27.608	6.001	62.884 1.000 42.64
ATOM	2494	CA	PHE		33	28.186	6.230	64.209 1.000 46.60
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ATOM	2496	CB	PHE	В	33	27.794	7.621	64.705		
ATOM	2497	CG	PHE	В	33	28.411	8.010	66.024	1.000	41.60
ATOM	2498	CD1	PHE	В	33	29.639	7.503	66.418	1.000	28.55
ATOM	2499	CE1	PHE	В	33	30.180	7.856	67.635	1.000	34.17
ATOM	2500	CZ		В	33	29.502	8.729	68.464	1.000	39.16
ATOM	2501	CE2		В	33	28.282	9.249	68.088	1.000	40.43
ATOM	2502	CD2		В	33	27.743	8.885	66.871		46.28
		CDZ		В	33	27.742	5.122	65.157		49.56
ATOM	2503		PHE		33	28.543	4.568	65.918		39.50
ATOM	2504	0		В					1.000	53.61
ATOM	2505	N	MET	В	34	26.451	4.782	65.110		
ATOM	2506	CA	MET	В	34	25.979	3.673	65.946	1.000	51.72
ATOM	2507	CB	MET	В	34	24.456	3.545	65.882		
ATOM	2508	CG	MET	В	34	23.750	4.565	66.777	1.000	
MOTA	2509	SD	MET	В	34	22.105	4.050	67.305		72.48
ATOM	2510	CE	MET	В	34	21.721	2.817	66.063	1.000	
MOTA	2511	С	MET	В	34	26.671	2.377	65.554		52.65
ATOM	2512	0	MET	В	34	27.064	1.601	66.433	1.000	63.08
ATOM	2513	N	LYS	В	35	26.862	2.114	64.258	1.000	52.00
ATOM	2514	CA	LYS	В	35 -	27.584	0.889	63.905	1.000	54.31
ATOM	2515	СВ	LYS	В	35	27.570	0.627	62.402	1.000	59.44
ATOM	2516	CG	LYS	В	35	26.633	1.515	61.614	1.000	66.12
ATOM	2517	CD	LYS	В	35	26.520	1.074	60.166	1.000	69.40
ATOM	2518	CE		В	35	25.639	2.012	59.351	1.000	62.69
ATOM	2519	NZ		В	35	26.251	2.293			48.67
ATOM	2520	C		В	35	29.028	0.951	64.404	1.000	56.64
ATOM	2521	0		В	35	29.607	-0.094	64.699	1.000	47.38
ATOM	2522	N	LEU		36	29.564	2.163	64.485	1.000	61.24
ATOM	2523	CA		В	36	30.933	2.424	64.902	1.000	59.97
ATOM	2523	CB	LEU		36	31.323	3.874	64.594	1.000	64.56
			LEU		36	32.434	4.056	63.557	1.000	65.01
MOTA	2525	CG				32.294	3.032	62.440	1.000	65.86
ATOM	2526	CD1	LEU		36		5.477	63.006	1.000	
ATOM	2527	CD2	LEU		36	32.421		66.385	1.000	58.41
ATOM	2528	С	LEU		36	31.155	2.157			
MOTA	2529	0	LEU		36	32.238	1.731	66.790	1.000	
ATOM	2530	N	GLN		37	30.143	2.412	67.207	1.000	64.59
MOTA	2531	CA	GLN		37	30.253	2.093	68.627	1.000	66.89
ATOM	2532	СВ	GLN		37	29.379	3.009	69.479	1.000	65.39
MOTA	2533	CG	GLN		37	29.268	4.435	68.963	1.000	71.01
ATOM	2534	CD	GLN		37	29.402	5.459	70.075		69.30
MOTA	2535	OE1	GLN	В	37	28.554	6.349	70.194		
ATOM	2536	NE2	GLN	В	37	30.448	5.336	70.883		
MOTA	2537	С	GLN	В	37	29.858	0.639	68.887	1.000	64.12
ATOM	2538	0	GLN	В	37	30.133	0.109	69.965		
MOTA	2539	N	ALA	В	38	29.211	0.013	67.912	1.000	61.52
ATOM	2540	CA	ALA	В	38	28.752	-1.364	68.068	1.000	61.79
ATOM	2541	СВ	ALA		38	27.973	-1.811	66.843	1.000	61.12
ATOM	2542	C	ALA		38	29.924	-2.304	68.328	1.000	71.64
ATOM	2543	Ō	ALA		38	31.070	-1.992	68.000		88.33
ATOM	2544	N	ASP		39	29.627	-3.453	68.927		
ATOM	2545	CA	ASP		39	30.678	-4.382	69.332		
ATOM	2546	CB	ASP		39	31.399	-4.960	68.119		
ATOM	2547	CG	ASP		39	31.928	-6.362	68.329		
111 OL1	2041	$\sim$	1101	_	J J	52.520	5.552			

ATOM	2548		ASP		39	33.151	-6.572			77.07
ATOM	2549	OD2	ASP	В :	39	31.125	-7.261	68.656	1.000	94.95
MOTA	2550	С	ASP	В 3	39	31.654	-3.661	70.262	1.000	80.16
ATOM	2551	0	ASP	В 3	39	32.866	-3.844	70.171	1.000	82.76
ATOM	2552	N	SER	В 4	40	31.091	-2.847	71.149	1.000	80.57
ATOM	2553	CA	SER		40	31.845	-2.060	72.117	1.000	88.50
ATOM	2554	СВ	SER		40	32.474	-2.960	73.184		94.68
ATOM	2555	OG	SER		40	32.154	-2.503	74.493		104.32
ATOM	2556	C	SER		40	32.923	-1.227	71.430		88.12
ATOM	2557	0	SER		40	34.120	-1.492	71.558		101.21
ATOM	2558	N	ASN		41	32.493	-0.212	70.685		79.40
ATOM	2559	CA	ASN		41	33.401	0.680	69.978	1.000	
ATOM	2560	CB			41	34.193	1.538	70.973	1.000	
ATOM	2561	CG			4 1			70.761		
						33.910	3.013			66.31
ATOM	2562		ASN		41	32.852	3.359	70.237		66.52
ATOM	2563		ASN		41	34.853	3.853	71.161		67.42
ATOM	2564	С	ASN		11	34.370	-0.080	69.091		78.31
ATOM	2565	0	ASN		11	35.499	0.345	68.837		79.80
ATOM	2566	N	TYR		12	33.919	-1.239	68.605		74.28
MOTA	2567	CA	TYR		12	34.837	-2.034	67.800	1.000	72.73
MOTA	2568	CB	TYR		12	34.211	-3.377	67.423	1.000	73.56
MOTA	2569	CG	TYR		12	35.147	-4.228	66.588	1.000	73.21
MOTA	2570	CD1	TYR		12	36.311	-4.738	67.144	1.000	77.06
ATOM	2571	CE1	TYR		12	37.173	-5.514	66.388	1.000	78.96
ATOM	2572	CZ	TYR	B 4	12	36.872	-5.773	65.067	1.000	78.31
ATOM	2573	ОН	TYR		12	37.729	-6.541	64.312	1.000	91.83
ATOM	2574	CE2	TYR	B 4	12	35.724	-5.272	64.492	1.000	73.89
ATOM	2575	CD2	TYR	B 4	12	34.868	-4.501	65.256	1.000	72.17
ATOM	2576	С	TYR	B 4	12	35.257	-1.247	66.561	1.000	64.17
MOTA	2577	0	TYR	B 4	12	36.414	-0.843	66.456	1.000	62.76
ATOM	2578	N	LEU	B 4	13	34.312	-1.041	65.653	1.000	59.26
ATOM	2579	CA	LEU	В 4	13	34.589	-0.428	64.362	1.000	59.76
ATOM	2580	CB	LEU	B 4	13	33.310	-0.304	63.528	1.000	63.25
MOTA	2581	CG	LEU	В 4	13	32.890	-1.570	62.775		63.42
MOTA	2582	CD1	LEU	В 4	13	31.436	-1.480	62.336		46.05
MOTA	2583	CD2	LEU		3	33.807	-1.812		1.000	
ATOM	2584	С	LEU :		3	35.252	0.932	64.522		54.62
ATOM	2585	0	LEU :		3	36.208	1.237		1.000	
ATOM	2586	N	LEU :		4	34.760	1.742	65.454	1.000	
ATOM	2587	CA	LEU :		4	35.409	3.030	65.682		
MOTA	2588	СВ	LEU		4	34.729	3.785	66.826		
ATOM	2589	CG	LEU I		4	35.293	5.195	67.068		
ATOM	2590		LEU !		4	35.267	6.017	65.787		
ATOM	2591		LEU I		4	34.522	5.886	68.170		
ATOM	2592	C	LEU I		4	36.898	2.865	65.975		
ATOM	2593	0	LEU I		4	37.732		65.378		
ATOM	2594	N	SER I				3.549			
ATOM	2595				5	37.242	1.962	66.882		
		CA	SER I		5	38.619	1.713	67.282		
ATOM	2596	CB	SER I		5	38.690	0.436	68.127		39.80
ATOM	2597	OG C	SER I		5	39.247	0.727	69.398		
ATOM	2598	С	SER I		5	39.558	1.552	66.098		
ATOM	2599	0	SER I	3 4	5	40.668	2.082	66.083	1.000	52.78

MOTA	2600	N	LYS	В	46	39.087	0.795	65.113	1.000	
ATOM	2601	CA	LYS	В	46	39.891	0.470	63.941	1.000	63.73
ATOM	2602	CB	LYS	В	46	39.189	-0.575	63.073	1.000	74.89
ATOM	2603	CG	LYS	В	46	39.589	-2.009	63.395	1.000	86.82
ATOM	2604	CD		В	46	39.920	-2.808	62.129	1.000	98.47
ATOM	2605	CE		В	46		-4.250	62.467	1.0001	105.16
MOTA	2606	NZ	LYS		46		-5.221	61.446	1.0001	18.97
ATOM	2607	C		В	46	40.196	1.720	63.115	1.000	
ATOM	2608	0	LYS		46	41.369	2.039	62.917	1.000	80.74
ATOM	2609	N	GLU		47	39.144	2.386	62.661	1.000	60.32
	2610		GLU		47	39.214	3.608	61.876	1.000	57.31
ATOM		CA			47	37.861	4.317	61.829	1.000	59.96
MOTA	2611	CB	GLU				4.262	60.513	1.000	
ATOM	2612	CG	GLU		47	37.108		60.313	1.000	62.05
ATOM	2613	CD	GLU		47	36.069	5.368		1.000	43.75
ATOM	2614	OE1	GLU		47	35.086	5.213	59.637		56.16
ATOM	2615	OE2	GLU		47	36.243	6.408	61.066		
ATOM	2616	С	GLU		47	40.261	4.566	62.445	1.000	52.08
ATOM	2617	0	GLU		47	40.973	5.207		1.000	
MOTA	2618	N	TYR		48	40.331	4.643	63.772	1.000	51.35
ATOM	2619	CA	TYR		48	41.241	5.559	64.447	1.000	
MOTA	2620	CB	TYR	В	48	40.768	5.841	65.876	1.000	43.35
MOTA	2621	CG	TYR	В	48	41.664	6.800	66.628	1.000	43.06
MOTA	2622	CD1	TYR	В	48	41.634	8.162	66.350	1.000	43.39
MOTA	2623	CE1	TYR	В	48	42.446	9.049	67.026		33.55
ATOM	2624	CZ	TYR	В	48	43.301	8.577	67.997	1.000	33.43
MOTA	2625	ОН	TYR	В	48	44.109	9.457	68.675	1.000	39.28
MOTA	2626	CE2	TYR	В	48	43.357	7.232	68.299	1.000	35.45
ATOM	2627	CD2	TYR	В	48	42.538	6.354	67.609	1.000	39.88
MOTA	2628	С	TYR		48	42.666	5.026	64.486	1.000	44.84
ATOM	2629	0	TYR	В	48	43.636	5.779	64.556	1.000	38.45
ATOM	2630	N	GLU		49	42.798	3.704	64.448	1.000	45.22
ATOM	2631	CA	GLU	В	49	44.131	3.103	64.459	1.000	46.18
MOTA	2632	СВ		В	49	44.027	1.636	64.889	1.000	60.64
ATOM	2633	CG	GLU	В	49	43.562	1.476	66.331	1.000	71.11
ATOM	2634	CD	GLU		49	44.096	2.572	67.234	1.000	79.66
ATOM	2635	OE1			49	43.360	2.978	68.161	1.000	77.35
ATOM	2636	OE2			49	45.242	3.035	67.029		85.01
ATOM	2637	C	GLU		49	44.790	3.234	63.097	1.000	39.20
ATOM	2638	Ō	GLU		49	46.009	3.355		1.000	46.67
MOTA	2639	N	GLU		50	43.971	3.230	62.044		35.49
ATOM	2640	CA	GLU		50	44.513	3.352	60.694		
ATOM	2641	CB	GLU		50	43.412	3.174	59.644		
ATOM	2642	CG	GLU		50	42.601	1.900	59.756		
ATOM	2643	CD	GLU		50	41.686	1.654	58.577		72.97
	2644		GLU		50	41.888	0.646	57.858		
MOTA						40.752	2.456	58.346		70.73
MOTA	2645		GLU		50		4.698	60.485		41.38
ATOM	2646	С	GLU		50	45.205 45.975		59.534		
ATOM	2647	0	GLU		50		4.860			
ATOM	2648	N	LEU		51	44.932	5.664	61.354		
ATOM	2649	CA	LEU		51	45.542	6.982	61.247		
ATOM	2650	СВ	LEU		51	44.611	8.073	61.767		
MOTA	2651	CG	LEU	В	51	43.377	8.384	60.920	1.000	34.19

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ATOM	2652		LEU		51	42.246	8.901	61.799		
ATOM	2653	CD2	LEU	В	51	43.720	9.389	59.828	1.000	
ATOM	2654	С	LEU	В	51	46.840	7.056	62.042	1.000	38.45
ATOM	2655	0	LEU	В	51	47.503	8.091	62.030	1.000	31.93
ATOM	2656	N	LYS	В	52	47.146	5.957	62.721	1.000	40.28
ATOM	2657	CA	LYS	В	52	48.274	5.912	63.641	1.000	42.24
ATOM	2658	CB	LYS	В	52	48.513	4.470	64.104	1.000	40.97
ATOM	2659	CG	LYS		52	49.510	4.333	65.238	1.000	42.39
ATOM	2660	CD	LYS		52	49.041	3.361	66.306	1.000	52.34
ATOM	2661	CE	LYS		52	49.390	3.867	67.700	1.000	61.04
ATOM	2662	NZ	LYS		52	50.844	4.180	67.830		76.71
ATOM	2663	C	LYS		52	49.556	6.482	63.033	1.000	
ATOM	2664	0	LYS		52	50.231	7.281	63.679	1.000	
	2665	N	ASP		53	49.860	6.073	61.826	1.000	
ATOM		CA	ASP		53	51.069	6.209	61.057		45.09
ATOM	2666				53	51.162	5.010	60.082	1.000	
ATOM	2667	CB	ASP				4.773	59.352		
ATOM	2668	CG	ASP		53	49.852			1.000	
MOTA	2669	OD1	ASP		53	48.816	4.532	60.008		71.83
MOTA	2670		ASP		53	49.828	4.823	58.101		
ATOM	2671	С	ASP		53	51.159	7.483	60.225	1.000	
ATOM	2672	0	ASP		53	52.242	7.872	59.785	1.000	
MOTA	2673	N	VAL		54	50.014	8.111	59.996	1.000	
MOTA	2674	CA	VAL		54	49.943	9.247	59.080	1.000	
MOTA	2675	CB	VAL		54	48.498	9.764		1.000	
ATOM	2676	CG1	VAL	В	54	48.409	11.060	58.194		
MOTA	2677	CG2	VAL	В	54	47.599	8.696	58.361		
ATOM	2678	С	VAL	В	54	50.917	10.340	59.504	1.000	
MOTA	2679	0	VAL	В	54	50.929	10.809	60.638		
ATOM	2680	N	GLY	В	55	51.766	10.722	58.562	1.000	36.64
MOTA	2681	CA	GLY	В	55	52.749	11.767	58.654	1.000	
ATOM	2682	С	$\operatorname{GLY}$	В	55	53.995	11.423	59.430	1.000	30.37
MOTA	2683	0	$\operatorname{GLY}$	В	55	54.923	12.232	59.538	1.000	
ATOM	2684	N	ARG	В	56	54.036	10.221	60.001	1.000	27.19
MOTA	2685	CA	ARG	В	56	55.133	9.904	60.919	1.000	34.78
ATOM	2686	CB	ARG	В	56	54.724	8.753	61.847	1.000	36.03
MOTA	2687	CG	ARG	В	56	53.643	9.120	62.851	1.000	31.22
ATOM	2688	CD	ARG	В	56	54.128	10.152	63.853	1.000	34.70
MOTA	2689	NE	ARG	В	56	53.193	10.340	64.954	1.000	46.39
ATOM	2690	CZ	ARG		56	53.205	9.786	66.155	1.000	39.08
MOTA	2691		ARG		56	54.165	8.935	66.471		26.47
ATOM	2692		ARG		56	52.270	10.066	67.063		
MOTA	2693	С	ARG		56	56.425	9.574	60.187		
ATOM	2694	Ö	ARG		56	57.415	9.186	60.808		
MOTA	2695	N	ASN		57	56.415	9.743	58.871		
ATOM	2696	CA	ASN		57	57.583	9.563	58.028		
		CB	ASN		57	57.146	9.244	56.587		
ATOM	2697 2698	CG	ASN			56.145	10.235	56.026		
ATOM	2698				57 57		10.233	56.689		
MOTA	2699		ASN		57 57	55.184	10.631	54.780		
ATOM	2700		ASN		57 57	56.334		58.001		
ATOM	2701	С	ASN		57	58.478	10.794			
ATOM	2702	0	ASN		57	59.628	10.706	57.573		
ATOM	2703	N	GLN	В	58	57.985	11.955	58.419	1.000	33.30

ATOM 2704 CA GLN B 58 58.765 13.190 58.291 1.000 32.36 ATOM 2705 CB GLN B 58 57.838 14.389 58.063 1.000 31.36 ATOM 2706 CG GLN B 58 57.016 14.389 58.063 1.000 22.41 ATOM 2707 CD GLN B 58 55.701 15.058 56.891 1.000 22.43 ATOM 2708 OEI GLN B 58 55.701 15.058 56.891 1.000 23.88 ATOM 2709 NE2 GLN B 58 55.045 16.114 57.668 10.00 33.63 ATOM 2710 C GLN B 58 59.652 13.445 59.490 1.000 25.07 ATOM 2711 O GLN B 58 59.652 13.445 59.490 1.000 25.07 ATOM 2712 N SER B 59 60.773 14.121 59.261 1.000 17.59 ATOM 2713 CA SER B 59 60.773 14.121 59.261 1.000 17.59 ATOM 2714 CB SER B 59 60.773 14.121 59.261 1.000 27.35 ATOM 2715 OG SER B 59 63.355 15.365 58.819 1.000 27.35 ATOM 2716 C SER B 59 61.503 15.745 60.971 1.000 27.35 ATOM 2717 O SER B 59 60.751 16.555 60.421 1.000 27.35 ATOM 2718 N CYS B 60 62.142 15.962 62.108 1.000 27.35 ATOM 2719 CA CYS B 60 62.142 15.962 62.108 1.000 27.35 ATOM 2719 CA CYS B 60 62.142 15.962 62.108 1.000 20.25 ATOM 2719 CA CYS B 60 62.088 17.174 62.901 1.000 27.35 ATOM 2720 CB CYS B 60 63.493 17.658 63.294 1.000 25.62 ATOM 2721 SG CYS B 60 63.697 17.986 64.187 1.000 27.28 ATOM 2722 C CYS B 60 63.697 17.986 64.187 1.000 27.28 ATOM 2724 N ASP B 61 66.399 17.692 62.342 1.000 20.82 ATOM 2725 CA ASP B 61 66.399 17.692 62.342 1.000 27.04 ATOM 2726 CB ASP B 61 66.399 17.692 62.342 1.000 27.04 ATOM 2727 CG ASP B 61 66.404 15.504 63.395 1.000 44.12 ATOM 2728 OD1 ASP B 61 66.404 15.504 63.395 1.000 40.02 ATOM 2730 C ASP B 61 66.404 15.504 63.395 1.000 40.02 ATOM 2731 O ASP B 61 66.404 15.504 63.395 1.000 30.03 ATOM 2733 CA ILE B 62 65.502 2.019 64.392 1.000 30.70 ATOM 2734 CB ILE B 62 65.502 2.019 60.432 1.000 30.70 ATOM 2735 CGI ILE B 62 65.502 2.019 60.432 1.000 30.70 ATOM 2737 CG2 ILE B 62 65.502 2.019 60.432 1.000 30.70 ATOM 2738 C ILE B 62 65.502 2.019 60.432 1.000 30.70 ATOM 2737 CG2 ILE B 62 65.502 2.019 60.432 1.000 30.70 ATOM 2737 CG2 ILE B 62 65.502 2.019 60.432 1.000 30.70 ATOM 2737 CG2 ILE B 62 65.502 2.019 60.432 1.000 30.70 ATOM 2734 CB ILE B 62 65.502 2.2109 60.4335 1.000 30.40 ATOM 2735 CGI ILE B 6								40.400	50 001	- 000	20 20
ATOM 2706 CG GLN B 58 57.016 14.302 56.782 1.000 22.41 ATOM 2707 CD GLN B 58 55.700 15.058 56.891 1.000 23.88 ATOM 2708 0E1 GLN B 58 55.700 14.711 57.668 1.000 33.63 ATOM 2709 NE2 GLN B 58 55.409 14.711 57.668 1.000 33.63 ATOM 2709 NE2 GLN B 58 59.652 13.445 59.490 1.000 22.62 ATOM 2711 O GLN B 58 59.652 13.445 59.490 1.000 22.62 ATOM 2711 O GLN B 58 59.652 13.445 59.490 1.000 22.762 ATOM 2712 N SER B 59 60.773 13.045 60.608 1.000 29.18 ATOM 2713 CA SER B 59 60.773 14.213 59.261 1.000 17.59 ATOM 2713 CA SER B 59 60.773 14.213 59.261 1.000 17.59 ATOM 2715 OG SER B 59 63.355 15.365 88.819 1.000 27.35 ATOM 2717 O SER B 59 61.503 15.746 60.971 1.000 27.35 ATOM 2717 O SER B 59 60.751 16.555 60.421 1.000 20.52 ATOM 2719 CA CYS B 60 62.142 15.962 62.108 1.000 20.52 ATOM 2719 CA CYS B 60 62.142 15.962 62.108 1.000 20.52 ATOM 2719 CA CYS B 60 62.142 15.962 62.108 1.000 20.52 ATOM 2720 CB CYS B 60 63.483 17.658 63.294 1.000 22.62 ATOM 2721 SG CYS B 60 63.483 17.658 63.294 1.000 22.62 ATOM 2722 C CYS B 60 63.697 17.986 64.466 1.000 32.10 ATOM 2722 C CYS B 60 63.697 17.986 64.466 1.000 32.10 ATOM 2722 C C ASP B 61 64.399 17.692 62.342 1.000 27.04 ATOM 2724 N ASP B 61 64.399 17.692 62.342 1.000 27.04 ATOM 2725 CA ASP B 61 66.579 18.026 62.568 1.000 27.04 ATOM 2727 CG ASP B 61 66.494 15.504 61.335 1.000 44.61 ATOM 2727 CG ASP B 61 66.494 15.504 61.335 1.000 45.12 ATOM 2730 C ASP B 61 66.494 15.504 61.335 1.000 45.12 ATOM 2731 C ASP B 61 66.494 15.504 61.335 1.000 32.70 ATOM 2733 CA ILE B 62 65.502 22.019 64.382 1.000 32.70 ATOM 2733 CA ILE B 62 65.502 22.019 64.382 1.000 32.70 ATOM 2735 CG1 ILE B 62 65.504 1.000 27.00 30.17 ATOM 2735 CG1 ILE B 62 65.507 22.244 1.000 32.70 ATOM 2735 CG1 ILE B 62 65.507 22.244 1.000 30.27 ATOM 2735 CG1 ILE B 62 65.507 22.244 60.577 1.000 33.63 ATOM 2737 CG2 ILE B 62 65.507 22.244 60.577 1.000 33.63 ATOM 2737 CG2 ILE B 62 65.507 22.244 60.577 1.000 33.63 ATOM 2738 C ILE B 62 65.507 22.258 67.503 1.000 30.10 ATOM 2735 CG1 ILE B 62 65.507 22.259 66.331 1.000 29.60 ATOM 2735 CG1 ILE B 63 64.66 63.	ATOM	2704	CA								
ATOM	MOTA	2705	CB	GLN	В	58					
ATOM 2708 OE1 GIN B 58 54.809 14.711 57.668 1.000 33.63 ATOM 2709 NE2 GIN B 58 55.545 16.114 56.113 1.000 22.62 ATOM 2710 C GIN B 58 55.545 16.114 56.113 1.000 22.02 ATOM 2711 O GIN B 58 59.652 13.445 59.490 1.000 25.07 ATOM 2711 O GIN B 58 59.327 13.045 60.608 1.000 29.18 ATOM 2712 N SER B 59 60.737 14.121 59.261 1.000 17.59 ATOM 2713 CA SER B 59 61.737 14.383 60.317 1.000 24.95 ATOM 2714 CB SER B 59 63.157 14.310 59.752 1.000 30.84 ATOM 2715 OG SER B 59 63.157 14.310 59.752 1.000 30.84 ATOM 2716 C SER B 59 60.751 16.555 58.819 1.000 27.35 ATOM 2717 O SER B 59 60.751 16.555 60.421 1.000 27.35 ATOM 2718 N CYS B 60 62.088 17.174 62.901 1.000 25.62 ATOM 2718 N CYS B 60 62.088 17.174 62.901 1.000 25.62 ATOM 2720 CB CYS B 60 62.088 17.174 62.901 1.000 25.62 ATOM 2721 SG CYS B 60 63.483 17.658 63.294 1.000 26.25 ATOM 2721 SG CYS B 60 63.483 17.658 63.294 1.000 26.82 ATOM 2722 C CYS B 60 63.483 17.658 63.294 1.000 26.82 ATOM 2723 O CYS B 60 63.483 17.658 63.294 1.000 27.28 ATOM 2724 N ASP B 61 64.399 17.692 62.342 1.000 27.28 ATOM 2725 CA ASP B 61 66.494 15.504 61.335 1.000 44.06 ATOM 2726 CB ASP B 61 66.494 15.504 61.335 1.000 48.19 ATOM 2727 CG ASP B 61 66.494 15.504 61.335 1.000 38.19 ATOM 2728 OD1 ASP B 61 66.494 15.504 61.335 1.000 38.19 ATOM 2729 OD2 ASP B 61 66.494 15.504 61.335 1.000 38.19 ATOM 2730 C ASP B 61 66.494 15.504 61.335 1.000 38.19 ATOM 2731 C ASP B 61 66.494 15.504 61.335 1.000 38.19 ATOM 2732 N ILE B 62 65.582 21.807 62.924 1.000 30.27 ATOM 2733 C ASP B 61 66.494 15.504 61.335 1.000 30.17 ATOM 2733 C ASP B 61 66.494 15.504 61.335 1.000 30.13 ATOM 2734 C B ILE B 62 65.582 21.807 62.934 1.000 30.27 ATOM 2735 CGI ILE B 62 65.582 21.807 62.934 1.000 30.27 ATOM 2737 CG B ASP B 61 66.894 12.804 62.566 1.000 30.17 ATOM 2738 C B ILE B 62 65.582 21.807 62.934 1.000 30.27 ATOM 2739 C B ILE B 62 65.582 21.807 62.934 1.000 30.27 ATOM 2734 C B ILE B 62 66.676 7.924 60.577 1.000 30.67 ATOM 2737 C B ILE B 62 65.582 21.807 62.934 1.000 30.27 ATOM 2738 C B ILE B 63 64.664 39.915 66.835 1.000 30.17 ATOM 2739 C B I	ATOM	2706	CG	GLN	В	58	57.016	14.302	56.782	1.000	22.41
ATOM 2710	ATOM	2707	CD	GLN	В	58	55.700	15.058	56.891	1.000	23.88
ATOM 2710 C GIN B 58 59.652 13.445 59.490 1.000 25.07 ATOM 2711 O GIN B 58 59.327 13.045 60.608 1.000 29.18 ATOM 2712 N SER B 59 60.773 14.121 59.261 1.000 17.59 ATOM 2714 CB SER B 59 61.737 14.383 60.317 1.000 24.95 ATOM 2715 OG SER B 59 63.157 14.310 59.752 1.000 30.84 ATOM 2715 OG SER B 59 63.157 14.310 59.752 1.000 30.84 ATOM 2715 OG SER B 59 63.555 15.365 58.819 1.000 27.35 ATOM 2717 O SER B 59 60.751 16.555 60.421 1.000 27.35 ATOM 2718 N CYS B 60 62.088 17.174 62.901 1.000 27.35 ATOM 2718 N CYS B 60 62.088 17.174 62.901 1.000 25.62 ATOM 2720 CB CYS B 60 62.088 17.174 62.901 1.000 25.62 ATOM 2721 SG CYS B 60 63.483 17.658 63.294 1.000 25.62 ATOM 2721 SG CYS B 60 63.483 17.658 63.294 1.000 26.82 ATOM 2722 C C CYS B 60 63.483 17.658 63.294 1.000 26.82 ATOM 2723 O CYS B 60 63.483 17.658 63.294 1.000 26.82 ATOM 2724 N ASP B 61 64.399 17.692 62.342 1.000 27.28 ATOM 2726 CB ASP B 61 66.567 17.889 61.242 1.000 27.28 ATOM 2727 CG ASP B 61 66.567 17.889 61.242 1.000 27.04 ATOM 2727 CG ASP B 61 66.567 17.889 61.242 1.000 27.04 ATOM 2727 CG ASP B 61 66.567 17.889 61.242 1.000 27.04 ATOM 2728 ODI ASP B 61 66.567 17.889 61.242 1.000 27.04 ATOM 2728 ODI ASP B 61 66.507 17.866 64.466 1.000 32.10 ATOM 2730 C ASP B 61 66.494 15.504 61.335 1.000 46.12 ATOM 2730 C ASP B 61 66.494 15.504 61.335 1.000 46.12 ATOM 2731 O ASP B 61 66.201 19.431 63.103 1.000 25.10 ATOM 2733 CA BS B 61 66.494 15.504 61.335 1.000 32.10 ATOM 2733 CA BS B 62 65.582 11.807 62.924 1.000 30.27 ATOM 2734 N BE B 62 65.582 11.807 62.924 1.000 30.27 ATOM 2734 N BE B 62 65.582 12.807 62.924 1.000 30.27 ATOM 2733 CA BS B 61 66.201 19.431 63.103 1.000 25.10 ATOM 2733 CA BS B 61 66.201 19.431 63.103 1.000 25.10 ATOM 2733 CA BS B 61 66.201 19.431 63.103 1.000 25.10 ATOM 2734 CA BS B 61 66.201 19.431 63.103 1.000 25.10 ATOM 2734 CA BS B 61 66.507 22.224 60.577 1.000 33.67 ATOM 2734 CA BS B 61 66.507 22.224 60.577 1.000 33.67 ATOM 2734 CA BS B 61 66.507 22.225 66.507 22.244 60.577 1.000 30.27 ATOM 2734 CA BS B 61 66.607 22.225 66.507 22.225 66.507 22.225 67.507 60.	MOTA	2708	OE1	GLN	В	58	54.809	14.711	57.668	1.000	33.63
ATOM 2710 C GLN B 58 59.652 13.445 59.490 1.000 25.07 ATOM 2711 O GLN B 58 59.327 13.045 60.608 1.000 29.18 ATOM 2712 N SER B 59 60.773 14.121 59.261 1.000 17.59 ATOM 2713 CA SER B 59 61.737 14.383 60.317 1.000 24.95 ATOM 2714 CB SER B 59 63.157 14.310 59.752 1.000 30.84 ATOM 2715 OG SER B 59 63.157 14.310 59.752 1.000 30.84 ATOM 2716 C SER B 59 63.355 15.365 58.819 1.000 27.35 ATOM 2717 O SER B 59 60.535 15.365 60.421 1.000 27.35 ATOM 2718 N CYS B 60 62.142 15.962 62.108 1.000 20.52 ATOM 2718 N CYS B 60 62.142 15.962 62.108 1.000 20.52 ATOM 2719 CA CYS B 60 62.142 15.962 62.108 1.000 20.52 ATOM 2720 CB CYS B 60 62.088 17.174 62.901 1.000 25.62 ATOM 2721 SG CYS B 60 59.633 16.490 63.935 1.000 44.06 ATOM 2721 SG CYS B 60 63.483 17.658 63.294 1.000 26.82 ATOM 2722 C CYS B 60 63.483 17.658 63.294 1.000 26.82 ATOM 2723 O CYS B 60 63.483 17.658 63.294 1.000 26.82 ATOM 2724 N ASP B 61 64.399 17.692 62.342 1.000 27.28 ATOM 2725 CA ASP B 61 66.567 17.889 61.242 1.000 27.04 ATOM 2726 CB ASP B 61 66.567 17.889 61.242 1.000 27.04 ATOM 2727 CG ASP B 61 66.494 15.504 61.335 1.000 46.12 ATOM 2728 ODI ASP B 61 66.494 15.504 61.335 1.000 46.12 ATOM 2730 C ASP B 61 66.494 15.504 61.335 1.000 45.10 ATOM 2731 O ASP B 61 66.494 15.504 61.335 1.000 32.10 ATOM 2733 CA ILE B 62 65.582 11.807 62.924 1.000 32.10 ATOM 2733 CA ILE B 62 65.582 12.807 62.924 1.000 30.27 ATOM 2734 N ALB B 63 66.404 15.504 61.335 1.000 31.05 ATOM 2733 CA ILE B 62 65.582 12.807 62.924 1.000 30.27 ATOM 2734 CB ILE B 62 65.582 12.807 62.924 1.000 30.27 ATOM 2735 CGI ILE B 62 65.582 12.807 62.924 1.000 30.27 ATOM 2736 CDI ILE B 62 65.582 12.807 62.924 1.000 30.27 ATOM 2737 CG BALB B 61 66.201 19.431 63.103 1.000 25.10 ATOM 2738 C ILE B 62 65.582 1.807 62.924 1.000 30.27 ATOM 2734 C ALB B 63 64.643 20.948 67.058 1.000 30.27 ATOM 2735 CGI ILE B 62 65.582 1.807 62.924 1.000 30.27 ATOM 2736 CDI ILE B 62 65.597 72.2658 65.156 1.000 29.08 ATOM 2737 CG BALB B 63 64.643 20.948 67.058 1.000 30.24 ATOM 2738 C ILE B 64 65.292 1.006 66.2558 1.000 30.24 ATOM 2737 CG BALB B 6		2709		GLN	В	58	55.545	16.114	56.113	1.000	22.62
ATOM 2711 O GIN B 58 59.327 13.045 60.608 1.000 29.18 ATOM 2712 N SER B 59 60.773 14.121 59.261 1.000 17.59 ATOM 2713 CA SER B 59 60.773 14.121 59.261 1.000 17.59 ATOM 2714 CB SER B 59 63.157 14.310 59.752 1.000 30.84 ATOM 2715 OG SER B 59 63.355 15.365 58.819 1.000 24.95 ATOM 2716 C SER B 59 61.503 15.745 60.971 1.000 27.35 ATOM 2717 O SER B 59 60.751 16.555 60.421 1.000 27.35 ATOM 2718 N CYS B 60 62.142 15.962 62.108 1.000 20.52 ATOM 2719 CA CYS B 60 62.142 15.962 62.108 1.000 20.52 ATOM 2720 CB CYS B 60 62.142 15.962 62.108 1.000 20.52 ATOM 2721 SG CYS B 60 62.142 15.962 62.108 1.000 20.52 ATOM 2721 SG CYS B 60 63.483 17.658 63.294 1.000 22.682 ATOM 2722 C CYS B 60 63.483 17.658 63.294 1.000 22.682 ATOM 2723 O CYS B 60 63.697 17.986 64.466 1.000 32.10 ATOM 2724 N ASP B 61 64.399 17.692 62.342 1.000 27.28 ATOM 2725 CA ASP B 61 66.567 17.889 61.242 1.000 27.04 ATOM 2726 CB ASP B 61 66.567 17.889 61.242 1.000 27.04 ATOM 2727 CG ASP B 61 66.412 16.519 60.605 1.000 30.19 ATOM 2728 OD1 ASP B 61 66.412 16.519 60.605 1.000 30.19 ATOM 2729 OD2 ASP B 61 66.567 17.889 61.242 1.000 38.19 ATOM 2730 C ASP B 61 66.412 16.519 60.605 1.000 30.13 ATOM 2731 C ASP B 61 66.412 16.519 60.605 1.000 30.384 ATOM 2732 N ILE B 62 65.582 21.807 62.924 1.000 22.10 ATOM 2733 C G ILE B 62 65.582 21.807 62.924 1.000 32.03 ATOM 2733 C G ILE B 62 65.582 21.807 62.924 1.000 30.27 ATOM 2733 C G ILE B 62 65.582 21.807 62.924 1.000 30.27 ATOM 2733 C G ILE B 62 65.582 21.807 62.924 1.000 30.27 ATOM 2734 C B ILE B 62 65.000 24.246 62.536 1.000 31.05 ATOM 2737 C G ILE B 62 65.000 24.246 62.536 1.000 30.05 ATOM 2738 C ILE B 62 65.000 24.246 62.536 1.000 30.05 ATOM 2737 C C B ASP B 61 66.807 22.224 60.577 1.000 30.05 ATOM 2738 C ILE B 62 65.582 21.807 62.924 1.000 29.08 ATOM 2739 C ILE B 62 65.000 24.246 62.536 1.000 30.05 ATOM 2740 N ALA B 63 64.643 29.946 60.355 1.000 30.44 ATOM 2737 C C LEU B 64 66.274 19.286 65.581 1.000 30.44 ATOM 2740 C ALA B 63 64.66.399 17.977 66.957 1.000 30.444 ATOM 2740 C ALA B 63 64.66.399 17.977 66.957 1.000 32.44 ATOM 2									59.490	1.000	25.07
ATOM 2712 N SER B 59 60.773 14.121 59.261 1.000 17.59 ATOM 2713 CA SER B 59 61.737 14.383 60.317 1.000 24.59 ATOM 2714 CB SER B 59 61.737 14.383 60.317 1.000 24.59 ATOM 2715 OG SER B 59 63.157 14.310 59.752 1.000 30.84 ATOM 2716 C SER B 59 63.355 15.365 58.819 1.000 51.69 ATOM 2717 O SER B 59 61.503 15.745 60.971 1.000 27.35 ATOM 2717 O SER B 59 61.503 15.745 60.971 1.000 26.25 ATOM 2718 N CYS B 60 62.142 15.962 62.108 1.000 26.25 ATOM 2719 CA CYS B 60 62.088 17.174 62.901 1.000 25.2 ATOM 2720 CB CYS B 60 62.088 17.174 62.901 1.000 32.28 ATOM 2721 SG CYS B 60 63.483 17.658 63.294 1.000 32.28 ATOM 2722 C CYS B 60 63.483 17.658 63.294 1.000 27.28 ATOM 2723 O CYS B 60 63.483 17.658 63.294 1.000 27.28 ATOM 2723 O CYS B 60 63.483 17.692 62.342 1.000 27.28 ATOM 2724 N ASP B 61 64.399 17.692 62.342 1.000 27.28 ATOM 2725 CA ASP B 61 66.579 61 80.026 62.568 1.000 27.28 ATOM 2726 CB ASP B 61 66.579 61 80.026 62.568 1.000 27.03 ATOM 2727 CG ASP B 61 66.421 16.519 60.605 1.000 50.13 ATOM 2728 OD1 ASP B 61 66.412 16.519 60.605 1.000 50.13 ATOM 2729 OD2 ASP B 61 66.204 16.442 59.370 1.000 33.84 ATOM 2730 C ASP B 61 66.204 16.442 59.370 1.000 33.84 ATOM 2731 O ASP B 61 66.204 16.442 59.370 1.000 32.70 ATOM 2732 N ILE B 62 65.315 20.420 62.536 1.000 30.27 ATOM 2733 CA ILE B 62 65.582 21.807 62.924 1.000 30.27 ATOM 2734 CB ILE B 62 65.552 21.807 62.924 1.000 30.27 ATOM 2735 CGI ILE B 62 65.575 22.724 60.377 1.000 31.67 ATOM 2736 CDI ILE B 62 65.575 22.724 60.377 1.000 31.67 ATOM 2737 CG 2 ILE B 62 65.907 22.658 65.156 1.000 29.08 ATOM 2738 C ILE B 62 65.907 22.658 65.156 1.000 29.08 ATOM 2734 C ALA B 63 64.648 21.444 64.738 1.000 24.44 ATOM 2735 CGI ILE B 62 65.907 22.658 65.156 1.000 32.44 ATOM 2736 CDI ILE B 64 65.202 22.019 64.832 1.000 32.44 ATOM 2737 CG ILE B 64 65.202 22.019 66.558 1.000 29.08 ATOM 2740 C ALA B 63 64.648 21.444 64.738 1.000 32.44 ATOM 2740 C ALA B 63 64.648 21.444 64.738 1.000 32.44 ATOM 2740 C ALA B 63 64.648 21.444 64.738 1.000 32.44 ATOM 2741 C ALA B 63 64.648 21.444 64.738 1.000 32.44 ATOM 2745 C LEU											
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ATOM	ATOM		N		В						
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ATOM 2722 C CYS B 60 63.483 17.658 63.294 1.000 26.82 ATOM 2723 O CYS B 60 63.697 17.986 64.466 1.000 32.10 ATOM 2724 N ASP B 61 64.399 17.692 62.342 1.000 27.28 ATOM 2725 CA ASP B 61 65.796 18.026 62.568 1.000 27.04 ATOM 2726 CB ASP B 61 66.567 17.889 61.242 1.000 38.19 ATOM 2727 CG ASP B 61 66.412 16.519 60.605 1.000 50.13 ATOM 2728 ODI ASP B 61 66.442 16.519 60.605 1.000 50.13 ATOM 2729 OD2 ASP B 61 66.494 15.504 61.335 1.000 46.12 ATOM 2730 C ASP B 61 66.204 16.442 59.370 1.000 33.84 ATOM 2731 O ASP B 61 66.821 19.666 63.995 1.000 32.03 ATOM 2732 N ILE B 62 65.582 21.807 62.924 1.000 30.27 ATOM 2733 CA ILE B 62 65.582 21.807 62.924 1.000 30.17 ATOM 2733 CG ILE B 62 65.582 21.807 62.924 1.000 30.17 ATOM 2735 CGI ILE B 62 65.515 22.724 60.577 1.000 33.67 ATOM 2736 CDI ILE B 62 65.515 22.724 60.577 1.000 33.67 ATOM 2738 C ILE B 62 65.010 24.244 62.584 1.000 21.41 ATOM 2738 C ILE B 62 65.202 22.019 64.382 1.000 22.08 ATOM 2738 C ILE B 62 65.202 22.019 64.382 1.000 22.08 ATOM 2734 CB ILE B 62 65.202 22.019 64.382 1.000 24.88 ATOM 2738 C ILE B 62 65.202 22.019 64.382 1.000 24.88 ATOM 2734 CB ILE B 62 65.202 22.019 64.382 1.000 22.08 ATOM 2734 CB ILE B 62 65.202 22.019 64.382 1.000 22.08 ATOM 2734 CB ILE B 62 65.202 22.019 64.382 1.000 22.08 ATOM 2734 CB ILE B 62 65.202 22.019 64.382 1.000 22.08 ATOM 2740 N ALA B 63 64.048 21.444 64.738 1.000 26.00 ATOM 2741 CA ALA B 63 64.048 21.444 64.738 1.000 26.00 ATOM 2744 CB ALA B 63 64.048 21.444 64.738 1.000 26.00 ATOM 2745 N LEU B 64 65.380 19.963 66.558 1.000 29.22 ATOM 2745 N LEU B 64 65.232 21.116 66.331 1.000 26.52 ATOM 2746 CA LEU B 64 66.274 19.228 67.458 1.000 32.44 ATOM 2747 CB LEU B 64 65.222 15.577 66.547 1.000 32.44 ATOM 2749 CD1 LEU B 64 65.222 15.577 66.547 1.000 32.44 ATOM 2745 C LEU B 64 65.222 15.577 66.547 1.000 32.44 ATOM 2745 C LEU B 64 65.222 15.577 66.547 1.000 32.34 ATOM 2751 C LEU B 64 66.66 67.641 19.880 67.584 1.000 32.34 ATOM 2751 C LEU B 64 66.66 67.641 19.880 67.584 1.000 32.34 ATOM 2751 C LEU B 64 67.641 19.880 67.584 1.000 33.43 ATOM 2754 CA	ATOM	2720	CB	CYS	В	60	61.291	16.938			
ATOM 2723 O CYS B 60 63.697 17.986 64.466 1.000 32.10 ATOM 2724 N ASP B 61 64.399 17.692 62.342 1.000 27.28 ATOM 2725 CA ASP B 61 65.796 18.026 62.568 1.000 27.04 ATOM 2726 CB ASP B 61 66.5796 18.026 62.568 1.000 27.04 ATOM 2727 CG ASP B 61 66.567 17.889 61.242 1.000 38.19 ATOM 2728 OD1 ASP B 61 66.412 16.519 60.605 1.000 50.13 ATOM 2729 OD2 ASP B 61 66.404 15.504 61.335 1.000 46.12 ATOM 2730 C ASP B 61 66.001 19.431 63.103 1.000 25.10 ATOM 2731 O ASP B 61 66.821 19.666 63.995 1.000 32.03 ATOM 2732 N ILE B 62 65.315 20.420 62.536 1.000 31.05 ATOM 2733 CA ILE B 62 65.582 21.807 62.924 1.000 30.27 ATOM 2734 CB ILE B 62 65.582 21.807 62.924 1.000 30.27 ATOM 2735 CG1 ILE B 62 66.676 22.691 60.345 1.000 33.67 ATOM 2737 CG2 ILE B 62 65.515 22.724 60.577 1.000 33.64 ATOM 2738 C ILE B 62 65.5010 24.244 62.584 1.000 21.41 ATOM 2739 O ILE B 62 65.907 22.658 65.501 000 22.03 ATOM 2730 C ALA B 63 63.649 21.631 66.136 1.000 26.00 ATOM 2740 N ALA B 63 64.048 21.444 64.738 1.000 26.00 ATOM 2740 C ALA B 63 64.648 21.444 64.738 1.000 26.00 ATOM 2740 C ALA B 63 64.648 21.444 66.738 1.000 26.00 ATOM 2741 CA ALA B 63 64.648 21.444 66.738 1.000 26.00 ATOM 2743 C ALA B 63 64.649 21.631 66.136 1.000 26.52 ATOM 2740 C ALA B 63 64.649 21.631 66.331 1.000 26.00 ATOM 2741 CA ALA B 63 64.649 21.631 66.331 1.000 26.52 ATOM 2742 CB ALA B 63 62.232 21.116 66.331 1.000 26.52 ATOM 2744 CB ALA B 63 64.649 21.631 66.935 1.000 32.44 ATOM 2745 N LEU B 64 66.389 17.787 66.957 1.000 33.48 ATOM 2746 CA LEU B 64 66.274 19.228 67.458 1.000 32.44 ATOM 2747 CB LEU B 64 65.292 15.577 66.547 1.000 34.44 ATOM 2748 CG LEU B 64 66.292 15.577 66.547 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.292 15.577 66.547 1.000 34.44 ATOM 2749 CD2 LEU B 64 65.292 15.577 66.547 1.000 34.44 ATOM 2749 CD2 LEU B 64 65.292 15.577 66.547 1.000 34.44 ATOM 2751 C LEU B 64 65.292 15.577 66.547 1.000 34.44 ATOM 2752 O LEU B 64 67.641 19.880 67.584 1.000 38.72 ATOM 2753 N LEU B 65 67.910 20.882 66.752 1.000 29.69	ATOM	2721	SG	CYS	В	60	59.563		63.935		
ATOM 2724 N ASP B 61 64.399 17.692 62.342 1.000 27.28 ATOM 2725 CA ASP B 61 65.796 18.026 62.568 1.000 27.04 ATOM 2726 CB ASP B 61 66.567 17.889 61.242 1.000 38.19 ATOM 2727 CG ASP B 61 66.567 17.889 61.242 1.000 38.19 ATOM 2728 OD1 ASP B 61 66.412 16.519 60.605 1.000 50.13 ATOM 2728 OD2 ASP B 61 66.494 15.504 61.335 1.000 46.12 ATOM 2730 C ASP B 61 66.204 16.442 59.370 1.000 33.84 ATOM 2731 O ASP B 61 66.6010 19.431 63.103 1.000 25.10 ATOM 2731 O ASP B 61 66.821 19.666 63.995 1.000 32.03 ATOM 2732 N ILE B 62 65.315 20.420 62.536 1.000 31.05 ATOM 2733 CA ILE B 62 65.582 21.807 62.924 1.000 30.27 ATOM 2733 CB ILE B 62 65.582 21.807 62.924 1.000 30.27 ATOM 2735 CG1 ILE B 62 65.175 22.724 60.577 1.000 33.67 ATOM 2736 CD1 ILE B 62 65.676 22.691 60.345 1.000 21.41 ATOM 2737 CG2 ILE B 62 65.000 24.244 62.584 1.000 21.41 ATOM 2738 C ILE B 62 65.000 24.244 62.584 1.000 21.41 ATOM 2739 O ILE B 62 65.000 24.244 62.584 1.000 21.41 ATOM 2739 O ILE B 62 65.907 22.658 65.156 1.000 29.08 ATOM 2740 N ALA B 63 64.048 21.444 64.738 1.000 26.00 ATOM 2741 CA ALA B 63 63.649 21.631 66.136 1.000 26.52 ATOM 2742 CB ALA B 63 64.048 21.444 64.738 1.000 26.00 ATOM 2741 CA ALA B 63 64.643 20.948 67.058 1.000 26.00 ATOM 2745 N LEU B 64 65.380 19.963 66.558 1.000 29.22 ATOM 2745 N LEU B 64 66.274 19.228 67.458 1.000 39.44 ATOM 2747 CB LEU B 64 66.274 19.228 67.458 1.000 39.44 ATOM 2749 CD1 LEU B 64 66.274 19.228 67.458 1.000 29.17 ATOM 2749 CD1 LEU B 64 65.292 15.577 66.547 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.292 15.577 66.547 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.292 15.577 66.547 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.292 15.577 66.547 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.292 15.577 66.547 1.000 29.17 ATOM 2750 CD2 LEU B 64 65.292 15.577 66.547 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.292 15.577 66.547 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.292 15.577 66.547 1.000 34.44 ATOM 2751 C LEU B 64 66.466 19.505 68.423 1.000 32.48 ATOM 2751 C LEU B 64 65.292 15.577 66.547 1.000 29.17 ATOM 2752 O LEU B 64 66.466 19.505 68.423 1.000 33.43 ATOM 2753	MOTA	2722	С	CYS	В	60	63.483	17.658	63.294	1.000	26.82
ATOM 2724 N ASP B 61 64.399 17.692 62.342 1.000 27.28 ATOM 2725 CA ASP B 61 65.796 18.026 62.568 1.000 27.04 ATOM 2726 CB ASP B 61 66.567 17.889 61.242 1.000 38.19 ATOM 2727 CG ASP B 61 66.567 17.889 61.242 1.000 38.19 ATOM 2728 OD1 ASP B 61 66.412 16.519 60.605 1.000 50.13 ATOM 2729 OD2 ASP B 61 66.494 15.504 61.335 1.000 46.12 ATOM 2730 C ASP B 61 66.204 16.442 59.370 1.000 33.84 ATOM 2731 O ASP B 61 66.6010 19.431 63.103 1.000 25.10 ATOM 2732 N ILE B 62 65.515 20.420 62.536 1.000 31.05 ATOM 2733 CA ILE B 62 65.582 21.807 62.924 1.000 30.27 ATOM 2733 CG ILE B 62 65.582 21.807 62.924 1.000 30.27 ATOM 2735 CG1 ILE B 62 65.582 21.807 62.924 1.000 30.17 ATOM 2737 CG2 ILE B 62 65.5175 22.724 60.577 1.000 33.67 ATOM 2738 C ILE B 62 65.010 24.244 62.061 1.000 39.64 ATOM 2737 CG2 ILE B 62 65.500 24.244 62.584 1.000 21.41 ATOM 2738 C ILE B 62 65.500 24.244 62.584 1.000 21.41 ATOM 2739 O ILE B 62 65.907 22.658 65.156 1.000 29.08 ATOM 2740 N ALA B 63 64.048 21.444 64.738 1.000 24.88 ATOM 2741 CA ALA B 63 64.048 21.444 64.738 1.000 26.00 ATOM 2742 CB ALA B 63 64.643 20.948 67.058 1.000 26.52 ATOM 2744 O ALA B 63 64.643 20.948 67.058 1.000 26.00 ATOM 2745 N LEU B 64 65.380 19.963 66.558 1.000 32.44 ATOM 2746 CA LEU B 64 65.222 11.16 66.313 1.000 26.00 ATOM 2747 CB LEU B 64 66.239 17.787 66.957 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.222 15.577 66.547 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.222 15.577 66.547 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.222 15.577 66.547 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.222 15.577 66.547 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.222 15.577 66.547 1.000 34.44 ATOM 2750 CD2 LEU B 64 65.222 15.577 66.547 1.000 34.44 ATOM 2751 C LEU B 64 65.222 15.577 66.547 1.000 34.43 ATOM 2752 O LEU B 64 68.466 19.505 68.423 1.000 33.43 ATOM 2753 N LEU B 65 67.910 20.882 66.552 1.000 33.43 ATOM 2753 N LEU B 65 67.910 20.882 66.552 1.000 33.43	ATOM	2723	0	CYS	В	60	63.697	17.986	64.466	1.000	32.10
ATOM 2725 CA ASP B 61 65.796 18.026 62.568 1.000 27.04 ATOM 2726 CB ASP B 61 66.567 17.889 61.242 1.000 38.19 ATOM 2727 CG ASP B 61 66.567 17.889 61.242 1.000 38.19 ATOM 2728 OD1 ASP B 61 66.412 16.519 60.605 1.000 50.13 ATOM 2729 OD2 ASP B 61 66.494 15.504 61.335 1.000 46.12 ATOM 2730 C ASP B 61 66.204 16.442 59.370 1.000 33.84 ATOM 2731 O ASP B 61 66.010 19.431 63.103 1.000 25.10 ATOM 2731 O ASP B 61 66.821 19.666 63.995 1.000 32.03 ATOM 2732 N ILE B 62 65.582 21.807 62.924 1.000 30.27 ATOM 2733 CA ILE B 62 65.582 21.807 62.924 1.000 30.27 ATOM 2734 CB ILE B 62 65.582 21.807 62.924 1.000 30.17 ATOM 2735 CG1 ILE B 62 65.5175 22.724 60.577 1.000 33.67 ATOM 2736 CD1 ILE B 62 66.676 22.691 60.345 1.000 39.64 ATOM 2737 CG2 ILE B 62 65.000 24.244 62.584 1.000 21.41 ATOM 2738 C ILE B 62 65.202 22.019 64.382 1.000 32.48 ATOM 2739 O ILE B 62 65.907 22.658 65.156 1.000 29.08 ATOM 2740 N ALA B 63 64.048 21.444 64.738 1.000 26.00 ATOM 2741 CA ALA B 63 64.048 21.444 64.738 1.000 26.00 ATOM 2742 CB ALA B 63 64.643 20.948 67.058 1.000 26.00 ATOM 2744 O ALA B 63 64.643 20.948 67.058 1.000 26.00 ATOM 2745 N LEU B 64 65.380 19.963 66.558 1.000 32.44 ATOM 2747 CB LEU B 64 66.274 19.228 67.458 1.000 32.44 ATOM 2747 CB LEU B 64 65.227 16.867 66.957 1.000 34.44 ATOM 2749 CD1 LEU B 64 66.274 19.228 67.458 1.000 29.02 ATOM 2747 CB LEU B 64 65.227 16.867 67.958 1.000 29.07 ATOM 2748 CG LEU B 64 65.227 16.867 67.551 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.227 16.867 67.551 1.000 34.44 ATOM 2749 CD2 LEU B 64 65.227 16.867 67.551 1.000 34.44 ATOM 2749 CD2 LEU B 64 65.227 16.867 67.551 1.000 34.44 ATOM 2750 CD2 LEU B 64 65.242 16.616 68.853 1.000 22.34 ATOM 2751 C LEU B 64 66.66.274 19.880 67.554 1.000 32.48 ATOM 2752 O LEU B 64 66.66.279 10.082 66.752 1.000 33.47 ATOM 2753 N LEU B 64 66.66.279 10.082 66.752 1.000 39.72 ATOM 2754 CA LEU B 65 66 66.679 10.082 66.752 1.000 39.69	ATOM		N	ASP	В	61	64.399	17.692	62.342	1.000	27.28
ATOM 2726 CB ASP B 61 66.567 17.889 61.242 1.000 38.19 ATOM 2727 CG ASP B 61 66.412 16.519 60.605 1.000 50.13 ATOM 2728 OD1 ASP B 61 66.444 15.504 61.335 1.000 46.12 ATOM 2729 OD2 ASP B 61 66.204 16.442 59.370 1.000 33.84 ATOM 2730 C ASP B 61 66.010 19.431 63.103 1.000 25.10 ATOM 2731 O ASP B 61 66.821 19.666 63.995 1.000 32.03 ATOM 2732 N ILE B 62 65.315 20.420 62.536 1.000 31.05 ATOM 2733 CA ILE B 62 65.582 21.807 62.924 1.000 30.27 ATOM 2734 CB ILE B 62 64.816 22.824 62.061 1.000 30.17 ATOM 2735 CG1 ILE B 62 65.575 22.724 60.577 1.000 33.67 ATOM 2736 CD1 ILE B 62 66.676 22.691 60.345 1.000 39.64 ATOM 2737 CG2 ILE B 62 65.010 24.244 62.584 1.000 21.41 ATOM 2738 C ILE B 62 65.000 24.244 62.584 1.000 22.48 ATOM 2739 O ILE B 62 65.000 24.244 62.584 1.000 29.08 ATOM 2740 N ALA B 63 64.048 21.444 64.738 1.000 29.08 ATOM 2741 CA ALA B 63 63.649 21.631 66.136 1.000 29.08 ATOM 2742 CB ALA B 63 63.649 21.631 66.136 1.000 26.00 ATOM 2743 C ALA B 63 64.643 20.948 67.058 1.000 32.44 ATOM 2745 N LEU B 64 66.274 19.228 67.458 1.000 32.44 ATOM 2746 CA LEU B 64 66.274 19.228 67.458 1.000 32.42 ATOM 2747 CB LEU B 64 66.389 17.787 66.597 1.000 34.83 ATOM 2749 CD1 LEU B 64 66.274 19.228 67.458 1.000 34.83 ATOM 2749 CD1 LEU B 64 65.227 16.867 67.351 1.000 29.17 ATOM 2749 CD1 LEU B 64 66.274 19.228 67.458 1.000 29.22 ATOM 2749 CD1 LEU B 64 66.274 19.228 67.458 1.000 32.48 ATOM 2749 CD1 LEU B 64 66.274 19.228 67.458 1.000 32.44 ATOM 2749 CD1 LEU B 64 66.274 19.228 67.458 1.000 32.44 ATOM 2749 CD1 LEU B 64 66.274 19.228 67.458 1.000 34.83 ATOM 2749 CD1 LEU B 64 66.274 19.228 67.458 1.000 32.34 ATOM 2749 CD1 LEU B 64 65.227 16.867 67.351 1.000 34.43 ATOM 2750 CD2 LEU B 64 67.641 19.880 67.584 1.000 38.72 ATOM 2751 C LEU B 64 67.641 19.880 67.584 1.000 38.72 ATOM 2752 O LEU B 64 67.910 20.882 66.752 1.000 38.73 ATOM 2753 N LEU B 65 67.910 20.882 66.752 1.000 29.69						61	65.796	18.026	62.568	1.000	27.04
ATOM 2727 CG ASP B 61 66.412 16.519 60.605 1.000 50.13 ATOM 2728 OD1 ASP B 61 66.494 15.504 61.335 1.000 46.12 ATOM 2729 OD2 ASP B 61 66.204 16.442 59.370 1.000 33.84 ATOM 2730 C ASP B 61 66.001 19.431 63.103 1.000 25.10 ATOM 2731 O ASP B 61 66.801 19.431 63.103 1.000 25.10 ATOM 2732 N ILE B 62 65.315 20.420 62.536 1.000 31.05 ATOM 2733 CA ILE B 62 65.582 21.807 62.924 1.000 30.27 ATOM 2734 CB ILE B 62 64.816 22.824 62.061 1.000 30.17 ATOM 2735 CG1 ILE B 62 65.175 22.724 60.577 1.000 33.67 ATOM 2736 CD1 ILE B 62 66.676 22.691 60.345 1.000 39.64 ATOM 2737 CG2 ILE B 62 65.010 24.244 62.584 1.000 39.64 ATOM 2738 C ILE B 62 65.907 22.658 65.156 1.000 31.44 ATOM 2739 O ILE B 62 65.907 22.658 65.156 1.000 29.08 ATOM 2740 N ALA B 63 64.048 21.444 64.738 1.000 26.00 ATOM 2741 CA ALA B 63 64.048 21.444 64.738 1.000 26.00 ATOM 2742 CB ALA B 63 63.649 21.631 66.136 1.000 26.52 ATOM 2743 C ALA B 63 64.048 21.444 64.738 1.000 26.00 ATOM 2744 O ALA B 63 64.643 20.948 67.058 1.000 26.00 ATOM 2745 N LEU B 64 65.380 19.963 66.558 1.000 32.44 ATOM 2746 CA LEU B 64 66.274 19.228 67.458 1.000 32.44 ATOM 2747 CB LEU B 64 66.389 17.787 66.957 1.000 34.83 ATOM 2749 CD1 LEU B 64 66.389 17.787 66.957 1.000 34.83 ATOM 2749 CD1 LEU B 64 65.227 16.867 67.351 1.000 34.43 ATOM 2749 CD1 LEU B 64 65.227 16.867 67.351 1.000 29.17 ATOM 2750 CD2 LEU B 64 65.242 16.616 68.853 1.000 22.34 ATOM 2751 C LEU B 64 67.641 19.880 67.584 1.000 22.34 ATOM 2752 O LEU B 64 68.466 19.505 66.423 1.000 33.43 ATOM 2753 N LEU B 65 67.910 20.882 66.752 1.000 29.69										1.000	38.19
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ATOM 2741 CA ALA B 63 63.649 21.631 66.136 1.000 26.52 ATOM 2742 CB ALA B 63 62.232 21.116 66.313 1.000 16.06 ATOM 2743 C ALA B 63 64.643 20.948 67.058 1.000 26.00 ATOM 2744 O ALA B 63 64.789 21.266 68.235 1.000 32.44 ATOM 2745 N LEU B 64 65.380 19.963 66.558 1.000 29.22 ATOM 2746 CA LEU B 64 66.274 19.228 67.458 1.000 36.10 ATOM 2747 CB LEU B 64 66.389 17.787 66.957 1.000 34.83 ATOM 2748 CG LEU B 64 65.227 16.867 67.351 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.227 16.867 67.351 1.000 34.44 ATOM 2750 CD2 LEU B 64 65.292 15.577 66.547 1.000 29.17 ATOM 2750 CD2 LEU B 64 65.242 16.616 68.853 1.000 22.34 ATOM 2751 C LEU B 64 67.641 19.880 67.584 1.000 38.72 ATOM 2753 N LEU B 65 67.910 20.882 66.752 1.000 29.69 ATOM 2754 CA LEU B 65 69.194 21.567 66.816 1.000 24.50	ATOM	2739	0	ILE	В	62	65.907	22.658			
ATOM 2742 CB ALA B 63 62.232 21.116 66.313 1.000 16.06 ATOM 2743 C ALA B 63 64.643 20.948 67.058 1.000 26.00 ATOM 2744 O ALA B 63 64.789 21.266 68.235 1.000 32.44 ATOM 2745 N LEU B 64 65.380 19.963 66.558 1.000 29.22 ATOM 2746 CA LEU B 64 66.274 19.228 67.458 1.000 36.10 ATOM 2747 CB LEU B 64 66.389 17.787 66.957 1.000 34.83 ATOM 2748 CG LEU B 64 65.227 16.867 67.351 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.227 16.867 67.351 1.000 29.17 ATOM 2750 CD2 LEU B 64 65.242 16.616 68.853 1.000 22.34 ATOM 2751 C LEU B 64 67.641 19.880 67.584 1.000 38.72 ATOM 2752 O LEU B 64 68.466 19.505 68.423 1.000 33.43 ATOM 2753 N LEU B 65 67.910 20.882 66.752 1.000 29.69 ATOM 2754 CA LEU B 65 69.194 21.567 66.816 1.000 24.50	ATOM	2740	N	ALA	В	63	64.048	21.444	64.738	1.000	26.00
ATOM 2743 C ALA B 63 64.643 20.948 67.058 1.000 26.00 ATOM 2744 O ALA B 63 64.789 21.266 68.235 1.000 32.44 ATOM 2745 N LEU B 64 65.380 19.963 66.558 1.000 29.22 ATOM 2746 CA LEU B 64 66.274 19.228 67.458 1.000 36.10 ATOM 2747 CB LEU B 64 66.389 17.787 66.957 1.000 34.83 ATOM 2748 CG LEU B 64 65.227 16.867 67.351 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.227 16.867 67.351 1.000 34.44 ATOM 2750 CD2 LEU B 64 65.292 15.577 66.547 1.000 29.17 ATOM 2751 C LEU B 64 65.242 16.616 68.853 1.000 22.34 ATOM 2752 O LEU B 64 67.641 19.880 67.584 1.000 38.72 ATOM 2753 N LEU B 65 67.910 20.882 66.752 1.000 29.69 ATOM 2754 CA LEU B 65 69.194 21.567 66.816 1.000 24.50	MOTA	2741	CA	ALA	В	63	63.649	21.631	66.136	1.000	26.52
ATOM 2743 C ALA B 63 64.643 20.948 67.058 1.000 26.00 ATOM 2744 O ALA B 63 64.789 21.266 68.235 1.000 32.44 ATOM 2745 N LEU B 64 65.380 19.963 66.558 1.000 29.22 ATOM 2746 CA LEU B 64 66.274 19.228 67.458 1.000 36.10 ATOM 2747 CB LEU B 64 66.389 17.787 66.957 1.000 34.83 ATOM 2748 CG LEU B 64 65.227 16.867 67.351 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.227 16.867 67.351 1.000 29.17 ATOM 2750 CD2 LEU B 64 65.242 16.616 68.853 1.000 22.34 ATOM 2751 C LEU B 64 67.641 19.880 67.584 1.000 38.72 ATOM 2752 O LEU B 64 68.466 19.505 68.423 1.000 33.43 ATOM 2753 N LEU B 65 67.910 20.882 66.752 1.000 29.69 ATOM 2754 CA LEU B 65 69.194 21.567 66.816 1.000 24.50	ATOM	2742	СВ	ALA	В	63	62.232	21.116	66.313	1.000	16.06
ATOM 2744 O ALA B 63 64.789 21.266 68.235 1.000 32.44 ATOM 2745 N LEU B 64 65.380 19.963 66.558 1.000 29.22 ATOM 2746 CA LEU B 64 66.274 19.228 67.458 1.000 36.10 ATOM 2747 CB LEU B 64 66.389 17.787 66.957 1.000 34.83 ATOM 2748 CG LEU B 64 65.227 16.867 67.351 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.227 16.867 67.351 1.000 29.17 ATOM 2750 CD2 LEU B 64 65.242 16.616 68.853 1.000 22.34 ATOM 2751 C LEU B 64 67.641 19.880 67.584 1.000 38.72 ATOM 2752 O LEU B 64 68.466 19.505 68.423 1.000 33.43 ATOM 2753 N LEU B 65 67.910 20.882 66.752 1.000 29.69 ATOM 2754 CA LEU B 65 69.194 21.567 66.816 1.000 24.50	ATOM	2743		ALA	В	63	64.643	20.948	67.058	1.000	26.00
ATOM 2745 N LEU B 64 65.380 19.963 66.558 1.000 29.22 ATOM 2746 CA LEU B 64 66.274 19.228 67.458 1.000 36.10 ATOM 2747 CB LEU B 64 66.389 17.787 66.957 1.000 34.83 ATOM 2748 CG LEU B 64 65.227 16.867 67.351 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.227 15.577 66.547 1.000 29.17 ATOM 2750 CD2 LEU B 64 65.242 16.616 68.853 1.000 22.34 ATOM 2751 C LEU B 64 67.641 19.880 67.584 1.000 38.72 ATOM 2752 O LEU B 64 68.466 19.505 68.423 1.000 33.43 ATOM 2753 N LEU B 65 67.910 20.882 66.752 1.000 29.69 ATOM 2754 CA LEU B 65 69.194 21.567 66.816 1.000 24.50											
ATOM 2746 CA LEU B 64 66.274 19.228 67.458 1.000 36.10 ATOM 2747 CB LEU B 64 66.389 17.787 66.957 1.000 34.83 ATOM 2748 CG LEU B 64 65.227 16.867 67.351 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.292 15.577 66.547 1.000 29.17 ATOM 2750 CD2 LEU B 64 65.242 16.616 68.853 1.000 22.34 ATOM 2751 C LEU B 64 67.641 19.880 67.584 1.000 38.72 ATOM 2752 O LEU B 64 68.466 19.505 68.423 1.000 33.43 ATOM 2753 N LEU B 65 67.910 20.882 66.752 1.000 29.69 ATOM 2754 CA LEU B 65 69.194 21.567 66.816 1.000 24.50											
ATOM 2747 CB LEU B 64 66.389 17.787 66.957 1.000 34.83 ATOM 2748 CG LEU B 64 65.227 16.867 67.351 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.292 15.577 66.547 1.000 29.17 ATOM 2750 CD2 LEU B 64 65.242 16.616 68.853 1.000 22.34 ATOM 2751 C LEU B 64 67.641 19.880 67.584 1.000 38.72 ATOM 2752 O LEU B 64 68.466 19.505 68.423 1.000 33.43 ATOM 2753 N LEU B 65 67.910 20.882 66.752 1.000 29.69 ATOM 2754 CA LEU B 65 69.194 21.567 66.816 1.000 24.50											
ATOM 2748 CG LEU B 64 65.227 16.867 67.351 1.000 34.44 ATOM 2749 CD1 LEU B 64 65.292 15.577 66.547 1.000 29.17 ATOM 2750 CD2 LEU B 64 65.242 16.616 68.853 1.000 22.34 ATOM 2751 C LEU B 64 67.641 19.880 67.584 1.000 38.72 ATOM 2752 O LEU B 64 68.466 19.505 68.423 1.000 33.43 ATOM 2753 N LEU B 65 67.910 20.882 66.752 1.000 29.69 ATOM 2754 CA LEU B 65 69.194 21.567 66.816 1.000 24.50											
ATOM 2749 CD1 LEU B 64 65.292 15.577 66.547 1.000 29.17 ATOM 2750 CD2 LEU B 64 65.242 16.616 68.853 1.000 22.34 ATOM 2751 C LEU B 64 67.641 19.880 67.584 1.000 38.72 ATOM 2752 O LEU B 64 68.466 19.505 68.423 1.000 33.43 ATOM 2753 N LEU B 65 67.910 20.882 66.752 1.000 29.69 ATOM 2754 CA LEU B 65 69.194 21.567 66.816 1.000 24.50											
ATOM 2750 CD2 LEU B 64 65.242 16.616 68.853 1.000 22.34 ATOM 2751 C LEU B 64 67.641 19.880 67.584 1.000 38.72 ATOM 2752 O LEU B 64 68.466 19.505 68.423 1.000 33.43 ATOM 2753 N LEU B 65 67.910 20.882 66.752 1.000 29.69 ATOM 2754 CA LEU B 65 69.194 21.567 66.816 1.000 24.50											
ATOM 2751 C LEU B 64 67.641 19.880 67.584 1.000 38.72 ATOM 2752 O LEU B 64 68.466 19.505 68.423 1.000 33.43 ATOM 2753 N LEU B 65 67.910 20.882 66.752 1.000 29.69 ATOM 2754 CA LEU B 65 69.194 21.567 66.816 1.000 24.50											
ATOM 2752 O LEU B 64 68.466 19.505 68.423 1.000 33.43 ATOM 2753 N LEU B 65 67.910 20.882 66.752 1.000 29.69 ATOM 2754 CA LEU B 65 69.194 21.567 66.816 1.000 24.50											
ATOM 2753 N LEU B 65 67.910 20.882 66.752 1.000 29.69 ATOM 2754 CA LEU B 65 69.194 21.567 66.816 1.000 24.50											
ATOM 2754 CA LEU B 65 69.194 21.567 66.816 1.000 24.50											
ATOM 2755 CB LEU B 65 69.248 22.693 65.788 1.000 23.85											
	MOTA	2755	CB	LEU	В	65	69.248	22.693	65.788	1.000	23.85

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MOTA	2756	CG	LEU	В	65	69.163	22.287	64.320		
MOTA	2757	CD1	LEU	В	65	68.898	23.516	63.459		38.18
ATOM	2758	CD2	LEU	В	65	70.432	21.567	63.880	1.000	36.27
ATOM	2759	С	LEU	В	65	69.438	22.122	68.218	1.000	36.38
MOTA	2760	0	LEU	В	65	68.526	22.606	68.883	1.000	40.63
ATOM	2761	N	PRO		66	70.686	22.026	68.657	1.000	45.15
MOTA	2762	CA	PRO		66	71.066	22.422	70.011	1.000	54.26
ATOM	2763	CB	PRO		66	72.601	22.452	69.931		52.68
ATOM	2764	CG	PRO		66	72.910	21.394	68.918		46.70
		CD	PRO		66	71.831	21.512	67.881		44.93
ATOM	2765					70.553	23.796		1.000	
ATOM	2766	С	PRO		66		23.796	71.552		
ATOM	2767	0	PRO		66	70.105			1.000	
ATOM	2768	N	GLU		67	70.616	24.767	69.510		
ATOM	2769	CA	GLU		67	70.250	26.137	69.872	1.000	
ATOM	2770	CB	GLU		67	70.880	27.124	68.885	1.000	
ATOM	2771	CG	GLU		67	71.814	28.138	69.522		
MOTA	2772	CD	GLU		67	71.302	28.794	70.787	1.000	77.75
ATOM	2773	OE1	GLU	В	67	72.110	28.959	71.733	1.000	
MOTA	2774	OE2	GLU	В	67	70.109	29.159	70.864	1.000	
ATOM	2775	С	GLU	В	67	68.745	26.354	69.938		
ATOM	2776	0	GLU	В	67	68.296	27.474	70.196	1.000	48.84
ATOM	2777	N	ASN	В	68	67.944	25.314	69.711	1.000	40.69
ATOM	2778	CA	ASN	В	68	66.494	25.487	69.755	1.000	36.03
ATOM	2779	СВ	ASN		68	65.825	24.980	68.477	1.000	39.69
ATOM	2780	CG	ASN		68	66.147	25.780	67.233	1.000	33.61
MOTA	2781		ASN		68	66.504	26.952	67.287	1.000	31.83
ATOM	2782		ASN		68	66.038	25.160	66.060	1.000	
ATOM	2783	C	ASN		68	65.914	24.759	70.964	1.000	
ATOM	2784	0	ASN		68	64.719	24.859	71.235	1.000	
	2785	N	ARG		69	66.765	24.038	71.685	1.000	
MOTA			ARG		69	66.306	23.202	72.792		
MOTA	2786	CA			69	67.483	22.545	73.522		
ATOM	2787	CB	ARG		69	67.790	21.126	73.075	1.000	
ATOM	2788	CG	ARG					71.802		
ATOM	2789	CD	ARG		69	68.623	21.108	71.126		
ATOM	2790	NE	ARG		69	68.602	19.813	71.126		73.48
ATOM	2791	CZ	ARG		69	69.645	18.999			75.03
MOTA	2792		ARG		69	70.812	19.341	71.551		
MOTA	2793		ARG		69	69.536	17.838	70.378		71.51
MOTA	2794	С	ARG		69	65.466	23.990	73.787		37.64
MOTA	2795	0	ARG		69	64.448	23.486	74.260		
MOTA	2796	N	$\operatorname{GLY}$		70	65.885	25.212	74.117		
MOTA	2797	CA	$\operatorname{GLY}$	В	70	65.107	25.974	75.086		
MOTA	2798	С	GLY	В	70	63.789	26.425	74.495		
ATOM	2799	0	$\operatorname{GLY}$	В	70	62.881	26.880	75.183		
MOTA	2800	N	LYS	В	71	63.642	26.301	73.172		
ATOM	2801	CA	LYS		71	62.431	26.876	72.579		
ATOM	2802	СВ	LYS		71	62.809	27.437	71.205	1.000	24.12
ATOM	2803	CG	LYS		71	63.920	28.476	71.318		
ATOM	2804	CD	LYS		71	64.674	28.583	70.010		
ATOM	2805	CE	LYS		71	65.580	29.802	69.994		
ATOM	2806	NZ	LYS		71	66.319	29.886	68.700		
MOTA	2807	C	LYS		71	61.296	25.876	72.492		
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ATOM	2808	0	LYS		71	60.205	26.158	71.995		
ATOM	2809	N	ASN		72	61.501	24.663	72.997		
MOTA	2810	CA	ASN		72	60.414	23.691	72.972	1.000	
ATOM	2811	CB	ASN	В	72	60.918	22.370	72.375	1.000	
MOTA	2812	CG	ASN	В	72	61.306	22.543	70.916	1.000	
ATOM	2813	OD1	ASN	В	72	60.465	22.945	70.109	1.000	26.04
ATOM	2814	ND2	ASN	В	72	62.558	22.245	70.577		
ATOM	2815	С	ASN	В	72	59.855	23.481	74.369	1.000	28.90
ATOM	2816	0	ASN	В	72	60.603	23.340	75.333	1.000	27.09
ATOM	2817	N	ARG		73	58.532	23.462	74.504	1.000	29.94
ATOM	2818	CA	ARG		73	57.950	23.251	75.827	1.000	29.94
MOTA	2819	СВ	ARG		73	56.501	23.738	75.862	1.000	30.13
ATOM	2820	CG	ARG		73	55.847	23.665	77.239	1.000	26.45
ATOM	2821	CD	ARG		73	54.393	24.129	77.156		
ATOM	2822	NE	ARG		73	54.347	25.597	77.101	1.000	
ATOM	2823	CZ	ARG		73	54.413	26.305	78.225		
ATOM	2824	NH1	ARG		73	54.514	25.676	79.390		
ATOM	2825	NH2			73	54.373	27.624	78.162	1.000	37.96
ATOM	2826	C	ARG		73	58.047	21.775	76.205		36.82
	2827	0	ARG		73	58.212	21.428	77.375		
ATOM	2828	N	TYR		74	57.948	20.904	75.202		
MOTA			TYR		74	58.101	19.470	75.416		
ATOM	2829	CA				56.774	18.731		1.000	
ATOM	2830	CB	TYR		74	55.661	19.265	76.209		31.66
ATOM	2831	CG	TYR		74					37.63
ATOM	2832	CD1	TYR		74	55.531	18.876	78.340		39.66
MOTA	2833	CE1	TYR		74	54.513	19.366		1.000	
ATOM	2834	CZ	TYR		74	53.601	20.258	77.818		
ATOM	2835	OH	TYR		74	52.588	20.745	78.608	1.000	
ATOM	2836	CE2	TYR		74	53.695	20.668	76.503	1.000	
MOTA	2837	CD2	TYR		74	54.722	20.163	75.724	1.000	
MOTA	2838	C	TYR		74	59.091	18.944	74.377		
MOTA	2839	0	TYR		74	58.878	19.078	73.170		
MOTA	2840	N	ASN		75 	60.170	18.362	74.871		32.88
MOTA	2841	CA	ASN		75	61.260	17.890	74.027		
MOTA	2842	CB	ASN		75	62.397	17.415	74.942	1.000	
ATOM	2843	CG	ASN		75	63.227	18.582	75.448	1.000	
MOTA	2844		ASN		75	64.296	18.392	76.032	1.000	
MOTA	2845	ND2	ASN		75	62.756	19.808	75.230		47.01
ATOM	2846	С	ASN		75	60.832	16.813	73.042		
MOTA	2847	0	ASN	В	75	61.544	16.541	72.062		
MOTA	2848	N	ASN	В	76	59.676	16.191	73.248		
MOTA	2849	CA	ASN	В	76	59.194	15.180	72.303		
ATOM	2850	CB	ASN	В	76	58.888	13.857	73.026		
ATOM	2851	CG	ASN	В	76	57.794	14.002	74.065		
MOTA	2852	OD1	ASN	В	76	57.640	15.076	74.643		
MOTA	2853	ND2	ASN	В	76	57.038	12.939	74.311		
ATOM	2854	С	ASN		76	57.964	15.646	71.535		
ATOM	2855	0	ASN		76	57.304	14.845	70.863	1.000	26.16
ATOM	2856	N	ILE		77	57.641	16.943	71.608	1.000	28.11
ATOM	2857	CA	ILE		77	56.567	17.443	70.743	1.000	30.83
ATOM	2858	CB	ILE		77	55.318	17.839	71.534		
ATOM	2859	CG1			77	54.547	16.646	72.114		
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ATOM											
ATOM	MOTA	2860	CD1	ILE	В	77	53.956	16.931	73.479	1.000	23.65
ATOM 2864 N LEU B 77 57.193 19.748 70.388 1.000 22.76 ATOM 2865 CA LEU B 78 57.404 18.308 68.668 1.000 23.21 ATOM 2865 CB LEU B 78 59.571 18.763 67.579 1.000 30.93 ATOM 2866 CB LEU B 78 60.317 18.344 68.845 1.000 29.39 ATOM 2867 CG LEU B 78 61.596 17.606 68.496 1.000 30.84 ATOM 2869 CD1 LEU B 78 61.596 17.606 68.496 1.000 30.84 ATOM 2869 CD2 LEU B 78 61.596 17.606 68.496 1.000 39.94 ATOM 2870 C LEU B 78 56.883 18.186 65.883 1.000 22.52 ATOM 2871 O LEU B 78 56.883 18.186 65.883 1.000 22.52 ATOM 2872 N PRO B 79 57.653 20.300 65.695 1.000 26.68 ATOM 2873 CA PRO B 79 57.653 20.300 65.695 1.000 26.68 ATOM 2873 CA PRO B 79 57.244 21.974 64.355 1.000 19.33 ATOM 2874 CB PRO B 79 57.244 21.974 64.355 1.000 17.51 ATOM 2875 CG PRO B 79 57.244 21.974 64.355 1.000 20.00 ATOM 2876 CD PRO B 79 57.244 21.974 64.355 1.000 20.00 ATOM 2877 C PRO B 79 57.939 19.691 63.351 1.000 17.54 ATOM 2878 O PRO B 79 57.939 19.691 63.351 1.000 18.71 ATOM 2880 CA TYR B 80 57.937 18.548 61.181 1.000 17.54 ATOM 2881 CB TYR B 80 57.911 18.548 61.181 1.000 17.84 ATOM 2882 CG TYR B 80 56.876 17.886 60.297 1.000 29.81 ATOM 2883 CD1 TYR B 80 56.876 15.711 61.589 1.000 27.92 ATOM 2884 CE1 TYR B 80 56.876 15.711 61.589 1.000 27.92 ATOM 2885 CZ TYR B 80 54.885 14.478 62.004 1.000 27.92 ATOM 2886 CD TYR B 80 54.233 13.393 62.539 1.000 22.56 ATOM 2889 C TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2889 C TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2889 C TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2889 C A ASP B 81 61.876 19.647 60.373 1.000 29.85 ATOM 2890 O TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2891 N ASP B 81 61.876 19.915 57.288 1.000 23.42 ATOM 2892 CA ASP B 81 61.876 19.915 57.288 1.000 23.42 ATOM 2893 CD ASP B 81 61.876 19.915 57.288 1.000 23.42 ATOM 2894 CG ASP B 81 61.876 29.915 57.288 1.000 23.42 ATOM 2895 CC TYR B 80 54.875 19.915 57.288 1.000 23.42 ATOM 2896 OD ASP B 81 61.876 29.915 57.288 1.000 23.42 ATOM 2897 CC ASP B 81 62.914 19.322 59.664 1.000 32.49 ATOM 2898 C ASP B 81 61.876 29.915 57.288 1.000 29.54 ATOM 2900 CA ALA B	MOTA	2861	CG2	ILE	В	77	54.400	18.697	70.690	1.000	34.46
ATOM	MOTA	2862	С	ILE	В	77	57.078	18.622	69.914	1.000	27.23
ATOM         2865         CA         LEU B         78         58.101         19.170         67.741         1.000         24.29           ATOM         2866         CB         LEU B         78         59.571         18.743         67.579         1.000         29.39           ATOM         2868         CD1         LEU B         78         60.317         18.344         68.845         1.000         29.39           ATOM         2869         CD2         LEU B         78         61.596         17.606         68.496         1.000         29.39           ATOM         2870         C         LEU B         78         57.477         19.158         66.348         1.000         27.34           ATOM         2871         O         LEU B         78         57.477         19.158         66.348         1.000         27.34           ATOM         2871         O         LEU B         78         57.477         19.158         66.348         1.000         27.34           ATOM         2872         CB PRO B         79         57.297         20.468         64.351         1.000         29.33           ATOM         2875         CB PRO B         79 <th< td=""><td>MOTA</td><td>2863</td><td>0</td><td>ILE</td><td>В</td><td>77</td><td>57.193</td><td>19.748</td><td>70.388</td><td>1.000</td><td>22.76</td></th<>	MOTA	2863	0	ILE	В	77	57.193	19.748	70.388	1.000	22.76
ATOM 2866 CB LEU B 78	MOTA	2864	N	LEU	В	78	57.404	18.308	68.668	1.000	23.21
ATOM 2868 CD1 LEU B 78 60.317 18.344 68.845 1.000 29.39 ATOM 2868 CD1 LEU B 78 61.596 17.606 68.496 1.000 30.84 ATOM 2869 CD2 LEU B 78 60.606 19.563 66.702 1.000 39.96 ATOM 2871 C LEU B 78 56.883 18.186 65.883 1.000 27.34 ATOM 2871 C LEU B 78 56.883 18.186 65.883 1.000 27.34 ATOM 2872 N PRO B 79 57.653 20.300 65.695 1.000 26.68 ATOM 2873 CA PRO B 79 57.097 20.468 64.351 1.000 19.33 ATOM 2874 CB PRO B 79 57.244 21.974 64.135 1.000 20.52 ATOM 2875 CG PRO B 79 57.244 21.974 64.135 1.000 17.51 ATOM 2876 CD PRO B 79 57.244 21.974 64.135 1.000 17.51 ATOM 2876 CD PRO B 79 57.244 21.974 64.355 1.000 17.54 ATOM 2877 C PRO B 79 57.244 21.974 64.355 1.000 17.54 ATOM 2878 C PRO B 79 58.384 21.490 66.166 1.000 17.54 ATOM 2878 C PRO B 79 57.247 21.996 63.5510 1.000 18.71 ATOM 2881 CB TYR B 80 57.287 19.098 62.367 1.000 18.71 ATOM 2882 CG TYR B 80 57.287 19.098 62.367 1.000 18.71 ATOM 2882 CG TYR B 80 56.857 17.886 60.297 1.000 30.40 ATOM 2883 CD1 TYR B 80 56.867 15.711 61.589 1.000 29.81 ATOM 2885 CZ TYR B 80 56.247 14.607 62.147 1.000 29.81 ATOM 2884 CE1 TYR B 80 56.247 14.607 62.147 1.000 29.86 ATOM 2888 CD2 TYR B 80 54.885 14.478 62.004 1.000 27.86 ATOM 2880 C CT TYR B 80 54.885 14.478 62.004 1.000 27.86 ATOM 2880 CD2 TYR B 80 54.885 14.478 62.004 1.000 27.86 ATOM 2880 CD2 TYR B 80 54.885 14.478 62.004 1.000 27.86 ATOM 2880 CD2 TYR B 80 54.885 14.478 62.004 1.000 27.86 ATOM 2890 C TYR B 80 54.233 13.393 62.539 1.000 23.40 ATOM 2890 C TYR B 80 54.885 14.478 62.004 1.000 23.41 ATOM 2891 N ASP B 81 62.914 19.322 69.647 60.373 1.000 29.85 ATOM 2890 C TYR B 80 54.794 18.552 60.774 1.000 29.85 ATOM 2890 C TYR B 80 54.794 18.552 60.774 1.000 29.85 ATOM 2891 N ASP B 81 62.914 19.322 59.664 1.000 33.49 ATOM 2890 C ASP B 81 62.914 19.322 59.664 1.000 33.49 ATOM 2890 C ASP B 81 62.914 19.322 59.664 1.000 33.49 ATOM 2890 C ALA B 82 57.984 18.939 55.737 1.000 25.69 ATOM 2890 C ALA B 82 57.984 18.939 55.737 1.000 25.89 ATOM 2900 C ALA B 82 57.984 18.939 55.737 1.000 25.89 ATOM 2900 C ALA B 82 57.984 18.939 55.737 1.000 25.89 ATOM 2900	MOTA	2865	CA	LEU	В	78	58.101	19.170	67.741	1.000	24.29
ATOM 2868 CD1 LEU B 78 61.596 17.606 68.496 1.000 30.84 ATOM 2869 CD2 LEU B 78 60.606 19.563 69.702 1.000 39.96 ATOM 2870 C LEU B 78 56.883 18.186 65.388 1.000 27.34 ATOM 2871 O LEU B 78 56.883 18.186 65.883 1.000 22.52 ATOM 2872 N PRO B 79 57.653 20.300 65.695 1.000 26.68 ATOM 2873 CA PRO B 79 57.653 20.300 65.695 1.000 26.08 ATOM 2873 CA PRO B 79 57.653 20.300 65.695 1.000 26.08 ATOM 2875 CG PRO B 79 57.097 20.468 64.351 1.000 19.33 ATOM 2875 CG PRO B 79 57.244 21.974 64.135 1.000 20.00 ATOM 2875 CG PRO B 79 58.491 22.309 64.892 1.000 17.51 ATOM 2876 CD PRO B 79 58.491 22.309 64.892 1.000 17.54 ATOM 2877 C PRO B 79 59.161 19.657 63.510 1.000 24.06 ATOM 2878 D PRO B 79 59.161 19.657 63.510 1.000 24.06 ATOM 2878 D PRO B 79 59.161 19.657 63.510 1.000 18.71 ATOM 2880 CA TYR B 80 57.287 19.098 62.367 1.000 18.71 ATOM 2881 CB TYR B 80 56.857 17.886 60.297 1.000 30.40 ATOM 2882 CG TYR B 80 56.857 17.886 60.297 1.000 29.81 ATOM 2884 CE1 TYR B 80 56.876 15.711 61.589 1.000 27.92 ATOM 2886 CE TYR B 80 56.867 15.711 61.589 1.000 27.92 ATOM 2886 CE TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2887 C TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2887 C TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2889 C TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2889 C TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2889 C TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2890 C TYR B 80 54.263 19.641 59.962 1.000 23.41 ATOM 2893 CB ASP B 81 60.607 20.320 59.148 1.000 23.41 ATOM 2893 CB ASP B 81 62.914 19.322 59.664 1.000 33.64 ATOM 2893 C ASP B 81 62.915 20.053 60.680 1.000 33.00 ATOM 2899 C ASP B 81 62.915 20.053 60.680 1.000 33.00 ATOM 2899 C ASP B 81 62.915 20.053 60.680 1.000 33.00 ATOM 2899 C ALA B 82 59.122 19.915 57.268 1.000 23.41 ATOM 2890 C ALA B 82 59.122 19.915 57.268 1.000 23.41 ATOM 2900 C ALA B 82 57.283 21.260 56.164 1.000 29.54 ATOM 2900 C ALA B 82 57.283 21.260 57.495 1.000 22.66 ATOM 2900 C ALA B 82 57.283 21.260 57.495 1.000 22.69 ATOM 2900 C ALA B 82 57.284 21.270 57.495 1.000 22.69 ATOM 2900 C ALA B 82 57.284 2	ATOM	2866	CB	LEU	В	78	59.571	18.763	67.579	1.000	30.93
ATOM 2870 C LEU B 78	MOTA	2867	CG	LEU	В	78	60.317	18.344	68.845	1.000	29.39
ATOM 2870 C LEU B 78 57.477 19.158 66.348 1.000 27.34 ATOM 2871 O LEU B 78 56.883 18.186 65.883 1.000 22.52 ATOM 2872 N PRO B 79 57.653 20.300 65.695 1.000 26.68 ATOM 2873 CA PRO B 79 57.097 20.468 64.351 1.000 19.33 ATOM 2874 CB PRO B 79 57.244 21.974 64.135 1.000 19.33 ATOM 2875 CG PRO B 79 57.244 21.974 64.135 1.000 17.51 ATOM 2876 CD PRO B 79 58.384 21.490 66.156 1.000 17.51 ATOM 2877 C PRO B 79 57.939 19.691 63.351 1.000 18.83 ATOM 2878 O PRO B 79 57.939 19.691 63.351 1.000 18.83 ATOM 2878 O PRO B 79 57.939 19.691 63.351 1.000 18.83 ATOM 2878 O PRO B 79 57.939 19.691 63.351 1.000 18.83 ATOM 2880 CA TYR B 80 57.287 19.098 62.367 1.000 17.54 ATOM 2880 CA TYR B 80 57.911 18.548 61.181 1.000 17.89 ATOM 2881 CB TYR B 80 56.857 17.886 60.990 1.000 29.81 ATOM 2883 CD1 TYR B 80 56.876 15.711 61.589 1.000 27.11 ATOM 2884 CE1 TYR B 80 56.247 14.607 62.147 1.000 27.92 ATOM 2885 CZ TYR B 80 54.885 14.478 62.004 1.000 27.92 ATOM 2886 CD2 TYR B 80 54.885 14.478 62.004 1.000 27.92 ATOM 2888 CD2 TYR B 80 54.162 15.432 61.324 1.000 22.86 ATOM 2889 CD TYR B 80 54.162 15.432 61.324 1.000 22.86 ATOM 2889 CD TYR B 80 54.162 15.432 61.324 1.000 22.55 ATOM 2889 C TYR B 80 54.162 15.432 60.373 1.000 22.86 ATOM 2890 C TYR B 80 58.000 20.703 60.373 1.000 23.42 ATOM 2891 N ASP B 81 62.951 99.148 1.000 23.41 ATOM 2892 CA ASP B 81 62.951 99.150 59.62 1.000 33.08 ATOM 2897 C ASP B 81 62.951 99.915 57.268 1.000 33.08 ATOM 2897 C ASP B 81 62.951 99.915 57.268 1.000 23.41 ATOM 2898 CD ASP B 81 62.951 99.915 57.268 1.000 23.41 ATOM 2899 C ASP B 81 63.666 18.346 59.510 1.000 30.60 ATOM 2899 N ALAB B 82 59.728 21.200 56.014 1.000 25.55 ATOM 2890 C ALAB B 82 59.728 21.200 56.014 1.000 25.55 ATOM 2890 C ALAB B 82 59.728 21.200 57.495 1.000 25.69 ATOM 2890 C ALAB B 82 59.728 21.200 57.495 1.000 25.69 ATOM 2900 C ALAB B 82 59.728 21.200 57.495 1.000 25.69 ATOM 2901 C BALB B 83 55.679 23.21 59.914 1.000 25.59 ATOM 2903 O ALAB B 83 55.679 23.21 59.914 1.000 25.89 ATOM 2904 C BALB B 83 55.677 23.21 58.566 1.000 25.89 ATOM 2909 C THR B 83 54.687 20.	MOTA	2868	CD1	LEU	В	78	61.596	17.606	68.496	1.000	30.84
ATOM 2871 O LEU B 78 56.883 18.186 65.883 1.000 22.52 ATOM 2872 N PRO B 79 57.653 20.300 65.695 1.000 26.68 ATOM 2873 CA PRO B 79 57.097 20.468 64.351 1.000 19.33 ATOM 2874 CB PRO B 79 57.244 21.974 64.135 1.000 20.00 ATOM 2875 CG PRO B 79 58.491 22.309 64.892 1.000 17.51 ATOM 2876 CD PRO B 79 58.384 21.490 66.156 1.000 17.54 ATOM 2877 C PRO B 79 58.384 21.490 66.156 1.000 17.54 ATOM 2878 O PRO B 79 57.939 19.691 63.351 1.000 24.06 ATOM 2879 N TYR B 80 57.287 19.098 62.367 1.000 18.83 ATOM 2880 CA TYR B 80 57.287 19.098 62.367 1.000 17.89 ATOM 2881 CB TYR B 80 57.911 18.548 61.181 1.000 17.89 ATOM 2882 CG TYR B 80 56.857 17.886 60.297 1.000 30.40 ATOM 2883 CD1 TYR B 80 56.867 15.711 61.589 1.000 27.11 ATOM 2884 CE1 TYR B 80 56.247 14.607 62.147 1.000 26.90 ATOM 2885 CZ TYR B 80 54.233 13.393 62.539 1.000 27.92 ATOM 2886 OH TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2887 CE2 TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2888 CD2 TYR B 80 54.162 15.432 61.324 1.000 21.67 ATOM 2888 CD2 TYR B 80 54.162 15.432 61.324 1.000 21.67 ATOM 2889 C TYR B 80 54.162 15.432 61.324 1.000 21.67 ATOM 2890 C TYR B 80 58.000 20.703 60.137 1.000 29.85 ATOM 2891 N ASP B 81 60.970 10.000 29.85 ATOM 2892 CA ASP B 81 60.870 19.647 60.137 1.000 29.85 ATOM 2893 CB ASP B 81 60.870 20.320 55.148 1.000 23.42 ATOM 2894 CG ASP B 81 60.870 20.320 55.148 1.000 23.42 ATOM 2895 CD ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2896 CD ASP B 81 60.870 20.320 55.148 1.000 23.42 ATOM 2897 C ASP B 81 60.870 20.320 55.148 1.000 23.42 ATOM 2898 C ASP B 81 60.870 20.320 55.148 1.000 23.42 ATOM 2899 C ASP B 81 60.870 20.320 55.148 1.000 23.42 ATOM 2890 C A ASP B 81 60.870 20.320 55.148 1.000 23.42 ATOM 2890 C A ASP B 81 60.870 20.320 55.148 1.000 23.42 ATOM 2890 C A ASP B 81 60.870 20.320 55.148 1.000 23.42 ATOM 2890 C A ASP B 81 60.870 20.320 55.148 1.000 23.42 ATOM 2890 C A ASP B 81 60.870 20.320 55.148 1.000 23.42 ATOM 2890 C A ASP B 81 60.870 20.320 55.148 1.000 23.42 ATOM 2900 CA ALA B 82 55.790 21.814 55.211 1.000 25.55 ATOM 2900 C A ALA B 82 5	ATOM	2869	CD2	LEU	В	78	60.606	19.563	69.702	1.000	39.96
ATOM 2872 N PRO B 79 57.653 20.300 65.695 1.000 26.68 ATOM 2873 CA PRO B 79 57.097 20.468 64.351 1.000 19.33 ATOM 2874 CB PRO B 79 57.244 21.974 64.135 1.000 19.33 ATOM 2875 CG PRO B 79 58.491 22.309 64.892 1.000 17.51 ATOM 2876 CD PRO B 79 58.491 22.309 64.892 1.000 17.54 ATOM 2877 C PRO B 79 58.384 21.490 66.156 1.000 17.54 ATOM 2878 O PRO B 79 57.939 19.691 63.51 1.000 18.83 ATOM 2878 O PRO B 79 57.939 19.696 62.367 1.000 18.71 ATOM 2880 CA TYR B 80 57.287 19.098 62.367 1.000 18.71 ATOM 2880 CA TYR B 80 57.911 18.548 61.181 1.000 17.89 ATOM 2881 CB TYR B 80 56.857 17.886 60.297 1.000 30.40 ATOM 2883 CD1 TYR B 80 56.857 17.886 60.297 1.000 30.40 ATOM 2883 CD1 TYR B 80 56.857 17.886 60.297 1.000 29.81 ATOM 2884 CE1 TYR B 80 56.857 17.886 60.297 1.000 27.92 ATOM 2885 CZ TYR B 80 56.467 15.711 61.589 1.000 27.92 ATOM 2886 CD2 TYR B 80 54.885 14.478 62.004 1.000 27.92 ATOM 2887 CE2 TYR B 80 54.885 14.478 62.004 1.000 27.92 ATOM 2887 CE2 TYR B 80 54.885 14.478 62.004 1.000 27.92 ATOM 2888 CD2 TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2887 CE2 TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2889 C TYR B 80 54.233 13.393 62.539 1.000 22.85 ATOM 2890 O TYR B 80 54.162 15.432 61.324 1.000 22.55 ATOM 2890 O TYR B 80 54.94 16.532 60.774 1.000 22.55 ATOM 2890 C TYR B 80 58.000 20.703 60.137 1.000 29.85 ATOM 2891 N ASP B 81 59.866 19.647 60.373 1.000 23.41 ATOM 2894 CG ASP B 81 60.607 20.320 59.148 1.000 23.41 ATOM 2894 CG ASP B 81 60.607 20.320 59.148 1.000 23.41 ATOM 2895 OD ASP B 81 62.951 20.053 60.680 1.000 32.44 ATOM 2897 C ASP B 81 62.951 20.053 60.680 1.000 32.41 ATOM 2897 C ASP B 81 63.686 18.346 59.510 1.000 23.41 ATOM 2897 C ASP B 81 62.951 20.053 60.680 1.000 32.41 ATOM 2897 C ASP B 81 63.686 18.346 59.510 1.000 23.41 ATOM 2897 C ASP B 81 63.686 18.346 59.510 1.000 23.41 ATOM 2897 C ASP B 81 63.686 18.346 59.510 1.000 23.55 ATOM 2900 CA ALA B 82 57.984 18.939 55.373 1.000 25.55 ATOM 2900 CA ALA B 82 57.984 18.939 55.373 1.000 22.96 ATOM 2900 CA ALA B 82 57.984 18.939 55.373 1.000 22.96 ATOM 2900 CA ALA B 8	MOTA	2870	С	LEU	В	78	57.477	19.158	66.348	1.000	27.34
ATOM 2873 CA PRO B 79 57.097 20.468 64.351 1.000 19.33 ATOM 2874 CB PRO B 79 57.244 21.974 64.135 1.000 20.00 ATOM 2875 CG PRO B 79 58.491 22.309 64.892 1.000 17.51 ATOM 2876 CD PRO B 79 58.491 22.309 66.156 1.000 17.54 ATOM 2877 C PRO B 79 58.384 21.490 66.156 1.000 17.54 ATOM 2878 O PRO B 79 59.161 19.657 63.351 1.000 18.83 ATOM 2879 N TYR B 80 57.287 19.098 62.367 1.000 18.71 ATOM 2880 CA TYR B 80 57.287 19.098 62.367 1.000 18.71 ATOM 2881 CB TYR B 80 57.911 18.548 61.181 1.000 17.89 ATOM 2882 CG TYR B 80 56.857 17.886 60.907 1.000 29.81 ATOM 2883 CD1 TYR B 80 56.876 15.711 61.589 1.000 27.11 ATOM 2884 CE1 TYR B 80 56.876 15.711 61.589 1.000 27.11 ATOM 2885 CZ TYR B 80 56.247 14.607 62.147 1.000 22.86 ATOM 2886 OH TYR B 80 54.233 13.393 62.539 1.000 27.92 ATOM 2886 CH TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2887 CE2 TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2888 CD2 TYR B 80 54.162 15.432 61.324 1.000 21.67 ATOM 2889 C TYR B 80 54.233 13.393 62.539 1.000 22.85 ATOM 2890 C TYR B 80 58.600 19.647 60.373 1.000 29.85 ATOM 2891 N ASP B 81 60.607 20.320 59.148 1.000 23.42 ATOM 2893 CB ASP B 81 60.607 20.320 59.148 1.000 23.42 ATOM 2894 CG ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2897 C ASP B 81 62.951 20.053 60.6137 1.000 23.42 ATOM 2898 CD ASP B 81 62.951 20.053 60.61 1.000 32.41 ATOM 2897 C ASP B 81 62.951 20.053 60.61 1.000 32.41 ATOM 2897 C ASP B 81 62.951 20.053 60.61 1.000 32.41 ATOM 2898 C ASP B 81 62.951 20.053 60.61 1.000 30.61 ATOM 2897 C ASP B 81 63.686 18.346 59.510 1.000 29.54 ATOM 2897 C ASP B 81 63.666 18.346 59.510 1.000 29.54 ATOM 2900 CA ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2901 CB ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2902 C ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2903 C ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2904 CB ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2905 CA THR B 83 55.675 21.270 57.845 1.000 29.54 ATOM 2906 CB THR B 83 55.675 21.270 57.845 1.000 29.58 ATOM 2909 C THR B 83 55.677 23.231 58.566 1.000 23.59	ATOM	2871	0	LEU	В	78	56.883	18.186	65.883	1.000	22.52
ATOM 2874 CB PRO B 79	ATOM	2872	N	PRO	В	79	57.653	20.300	65.695	1.000	26.68
ATOM 2875 CG PRO B 79	ATOM	2873	CA	PRO	В	79	57.097	20.468	64.351	1.000	19.33
ATOM 2876 CD PRO B 79	ATOM	2874	CB	PRO	В	79	57.244	21.974	64.135	1.000	20.00
ATOM 2877 C PRO B 79 57.939 19.691 63.351 1.000 18.83 ATOM 2878 O PRO B 79 59.161 19.657 63.510 1.000 24.06 ATOM 2879 N TYR B 80 57.287 19.098 62.367 1.000 18.71 ATOM 2880 CA TYR B 80 57.287 19.098 62.367 1.000 30.40 ATOM 2881 CB TYR B 80 56.857 17.886 60.297 1.000 30.40 ATOM 2882 CG TYR B 80 56.857 17.886 60.297 1.000 30.40 ATOM 2883 CD1 TYR B 80 56.857 17.886 60.297 1.000 27.11 ATOM 2883 CD1 TYR B 80 56.857 17.886 60.297 1.000 27.11 ATOM 2884 CE1 TYR B 80 56.857 14.607 62.147 1.000 26.90 ATOM 2885 CZ TYR B 80 56.857 14.607 62.147 1.000 27.92 ATOM 2886 CH TYR B 80 54.885 14.478 62.044 1.000 27.92 ATOM 2887 CE2 TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2888 CD2 TYR B 80 54.162 15.432 61.324 1.000 21.67 ATOM 2888 CD2 TYR B 80 54.162 15.432 61.324 1.000 22.55 ATOM 2889 C TYR B 80 58.600 19.647 60.373 1.000 26.95 ATOM 2890 O TYR B 80 58.000 20.703 60.137 1.000 29.85 ATOM 2891 N ASP B 81 59.836 19.401 59.962 1.000 23.42 ATOM 2892 CA ASP B 81 60.607 20.320 59.148 1.000 23.42 ATOM 2893 CB ASP B 81 62.914 19.322 59.664 1.000 34.98 ATOM 2894 CG ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2895 OD1 ASP B 81 62.914 19.322 59.664 1.000 34.98 ATOM 2896 OD2 ASP B 81 62.914 19.322 59.664 1.000 33.08 ATOM 2897 C ASP B 81 62.914 19.322 59.664 1.000 33.08 ATOM 2898 O ASP B 81 63.686 18.346 59.510 1.000 30.60 ATOM 2899 N ALA B 82 59.122 19.915 57.268 1.000 25.59 ATOM 2890 C ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2900 CA ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2901 CB ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2902 C ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2904 N THR B 83 56.753 21.363 57.372 1.000 22.68 ATOM 2906 CB THR B 83 54.667 20.507 59.014 1.000 20.17 ATOM 2907 CG THR B 83 54.667 20.507 59.014 1.000 23.50 ATOM 2909 C THR B 83 54.667 20.507 59.014 1.000 20.17 ATOM 2909 C THR B 83 55.677 23.231 58.566 1.000 23.50 ATOM 2909 C THR B 83 54.681 23.841 58.936 1.000 22.68	MOTA	2875	CG	PRO	В	79	58.491	22.309	64.892	1.000	17.51
ATOM 2878 O PRO B 79 59.161 19.657 63.510 1.000 24.06 ATOM 2879 N TYR B 80 57.287 19.098 62.367 1.000 18.71 ATOM 2880 CA TYR B 80 57.911 18.548 61.181 1.000 17.89 ATOM 2881 CB TYR B 80 56.857 17.886 60.297 1.000 30.40 ATOM 2882 CG TYR B 80 56.167 16.688 60.990 1.000 29.81 ATOM 2883 CD1 TYR B 80 56.876 15.711 61.589 1.000 27.11 ATOM 2884 CEI TYR B 80 56.247 14.607 62.147 1.000 26.90 ATOM 2885 CZ TYR B 80 54.885 14.478 62.004 1.000 27.92 ATOM 2886 CH TYR B 80 54.885 14.478 62.004 1.000 27.92 ATOM 2888 CD2 TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2889 C TYR B 80 54.162 15.432 61.324 1.000 21.67 ATOM 2889 C TYR B 80 54.162 15.432 61.324 1.000 21.67 ATOM 2889 C TYR B 80 58.600 19.647 60.373 1.000 22.55 ATOM 2890 C TYR B 80 58.600 19.647 60.373 1.000 23.42 ATOM 2891 N ASP B 81 59.836 19.401 59.962 1.000 23.42 ATOM 2892 CA ASP B 81 60.607 20.320 59.148 1.000 23.41 ATOM 2893 CB ASP B 81 61.878 19.642 58.613 1.000 34.98 ATOM 2894 CG ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2895 CD1 ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2897 C ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2898 C ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2899 C ASP B 81 63.686 18.346 59.510 1.000 30.60 ATOM 2899 C ASP B 81 63.686 18.346 59.510 1.000 30.60 ATOM 2899 C ASP B 81 59.795 20.828 57.959 1.000 25.69 ATOM 2899 C ALA B 82 59.795 20.828 57.959 1.000 25.69 ATOM 2900 CA ALA B 82 57.984 18.939 55.373 1.000 26.10 ATOM 2901 CB ALA B 82 57.984 18.939 55.373 1.000 26.10 ATOM 2902 C ALA B 82 57.984 18.939 55.373 1.000 26.10 ATOM 2903 C ALA B 82 57.984 18.939 55.373 1.000 22.96 ATOM 2904 N THR B 83 56.753 21.363 57.372 1.000 22.96 ATOM 2906 CB THR B 83 56.753 21.363 57.372 1.000 22.96 ATOM 2907 CG THR B 83 54.667 20.507 59.014 1.000 23.50 ATOM 2908 CG2 THR B 83 54.667 20.507 59.014 1.000 23.50 ATOM 2909 C THR B 83 54.667 20.507 59.014 1.000 25.59	ATOM	2876	CD	PRO	В	79	58.384	21.490	66.156	1.000	17.54
ATOM 2879 N TYR B 80 57.287 19.098 62.367 1.000 18.71 ATOM 2880 CA TYR B 80 56.857 17.886 60.297 1.000 30.40 ATOM 2881 CB TYR B 80 56.857 17.886 60.297 1.000 29.81 ATOM 2883 CD1 TYR B 80 56.857 17.886 60.297 1.000 29.81 ATOM 2883 CD1 TYR B 80 56.876 15.711 61.589 1.000 27.11 ATOM 2884 CE1 TYR B 80 56.876 15.711 61.589 1.000 27.11 ATOM 2885 CZ TYR B 80 56.247 14.607 62.147 1.000 26.90 ATOM 2885 CZ TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2886 CD2 TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2886 CD2 TYR B 80 54.162 15.432 61.324 1.000 21.67 ATOM 2888 CD2 TYR B 80 54.162 15.432 60.774 1.000 22.55 ATOM 2889 C TYR B 80 58.600 19.647 60.373 1.000 29.85 ATOM 2890 O TYR B 80 58.600 19.647 60.373 1.000 29.85 ATOM 2891 N ASP B 81 59.836 19.401 59.962 1.000 23.41 ATOM 2893 CB ASP B 81 60.607 20.320 59.148 1.000 23.41 ATOM 2893 CB ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2895 OD1 ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2895 OD1 ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2897 C ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2899 N ALA B 82 59.795 20.828 57.959 1.000 25.69 ATOM 2899 N ALA B 82 59.122 19.915 57.268 1.000 29.54 ATOM 2890 C ALA B 82 57.984 18.939 55.373 1.000 26.10 ATOM 2901 CB ALA B 82 57.984 18.939 55.373 1.000 26.10 ATOM 2902 C ALA B 82 57.984 18.939 55.373 1.000 22.96 ATOM 2903 C ALA B 82 57.984 18.939 55.373 1.000 22.96 ATOM 2903 C ALA B 82 57.984 18.939 55.373 1.000 22.96 ATOM 2904 N THR B 83 56.753 21.363 57.372 1.000 22.96 ATOM 2905 CA THR B 83 56.753 21.363 57.372 1.000 22.96 ATOM 2906 CB THR B 83 56.667 20.507 59.014 1.000 20.17 ATOM 2907 OG1 THR B 83 56.667 20.507 59.014 1.000 20.17 ATOM 2908 CG2 THR B 83 54.667 20.507 59.014 1.000 20.17 ATOM 2908 CG2 THR B 83 54.667 20.507 59.014 1.000 20.509 ATOM 2907 OG1 THR B 83 55.667 23.231 58.936 1.000 23.50	MOTA	2877	C	PRO	В	79	57.939	19.691	63.351	1.000	18.83
ATOM	MOTA	2878	0	PRO	В	79	59.161	19.657	63.510	1.000	24.06
ATOM	MOTA	2879	N	TYR	В	80	57.287	19.098	62.367	1.000	18.71
ATOM	MOTA	2880	CA	TYR	В	80	57.911	18.548	61.181	1.000	17.89
ATOM	MOTA	2881	CB			80	56.857	17.886	60.297	1.000	30.40
ATOM	ATOM	2882	CG			80	56.167	16.688	60.900	1.000	29.81
ATOM 2885 CZ TYR B 80 54.885 14.478 62.004 1.000 27.92 ATOM 2886 OH TYR B 80 54.233 13.393 62.539 1.000 22.86 ATOM 2887 CE2 TYR B 80 54.162 15.432 61.324 1.000 21.67 ATOM 2888 CD2 TYR B 80 54.794 16.532 60.774 1.000 22.55 ATOM 2889 C TYR B 80 58.600 19.647 60.373 1.000 26.95 ATOM 2890 O TYR B 80 58.600 19.647 60.373 1.000 26.95 ATOM 2891 N ASP B 81 59.836 19.401 59.962 1.000 23.42 ATOM 2892 CA ASP B 81 60.607 20.320 59.148 1.000 32.41 ATOM 2893 CB ASP B 81 60.607 20.320 59.148 1.000 32.41 ATOM 2894 CG ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2895 OD1 ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2896 OD2 ASP B 81 62.951 20.053 60.680 1.000 35.92 ATOM 2897 C ASP B 81 63.686 18.346 59.510 1.000 30.60 ATOM 2898 O ASP B 81 59.795 20.828 57.959 1.000 25.69 ATOM 2899 N ALA B 82 59.122 19.915 57.268 1.000 28.44 ATOM 2899 N ALA B 82 59.122 19.915 57.268 1.000 28.44 ATOM 2900 CA ALA B 82 58.455 20.249 56.015 1.000 30.21 ATOM 2901 CB ALA B 82 57.984 18.939 55.373 1.000 26.10 ATOM 2903 O ALA B 82 57.984 18.939 55.373 1.000 26.10 ATOM 2904 N THR B 83 56.753 21.363 57.372 1.000 22.96 ATOM 2905 CA THR B 83 54.667 20.507 59.014 1.000 29.54 ATOM 2907 OG1 THR B 83 54.667 20.507 59.014 1.000 29.40 ATOM 2908 CG2 THR B 83 54.667 20.507 59.014 1.000 23.50 ATOM 2909 C THR B 83 54.667 20.287 56.713 1.000 25.89 ATOM 2909 C THR B 83 54.667 20.287 56.713 1.000 25.89	ATOM	2883	CD1	TYR	В	80	56.876	15.711	61.589	1.000	27.11
ATOM	ATOM	2884	CE1	TYR	В	80	56.247	14.607	62.147	1.000	26.90
ATOM 2887 CE2 TYR B 80 54.162 15.432 61.324 1.000 21.67 ATOM 2888 CD2 TYR B 80 54.794 16.532 60.774 1.000 22.55 ATOM 2889 C TYR B 80 58.600 19.647 60.373 1.000 26.95 ATOM 2890 O TYR B 80 58.000 20.703 60.137 1.000 29.85 ATOM 2891 N ASP B 81 59.836 19.401 59.962 1.000 23.42 ATOM 2892 CA ASP B 81 60.607 20.320 59.148 1.000 23.41 ATOM 2893 CB ASP B 81 61.878 19.642 58.613 1.000 34.98 ATOM 2894 CG ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2895 OD1 ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2896 OD2 ASP B 81 63.686 18.346 59.510 1.000 30.60 ATOM 2897 C ASP B 81 63.686 18.346 59.510 1.000 30.60 ATOM 2899 N ALA B 82 59.795 20.828 57.959 1.000 25.69 ATOM 2800 CA ALA B 82 59.122 19.915 57.268 1.000 30.21 ATOM 2900 CA ALA B 82 59.122 19.915 57.268 1.000 28.44 ATOM 2901 CB ALA B 82 57.984 18.939 55.373 1.000 26.10 ATOM 2902 C ALA B 82 57.984 18.939 55.373 1.000 26.10 ATOM 2903 O ALA B 82 56.790 21.814 55.211 1.000 29.54 ATOM 2904 N THR B 83 56.753 21.363 57.372 1.000 22.68 ATOM 2905 CA THR B 83 55.542 22.170 57.495 1.000 22.68 ATOM 2907 OG1 THR B 83 54.667 20.507 59.014 1.000 20.17 ATOM 2908 CG2 THR B 83 54.687 20.287 56.713 1.000 23.50 ATOM 2909 C THR B 83 54.687 20.287 56.713 1.000 23.50 ATOM 2909 C THR B 83 54.681 23.841 58.936 1.000 22.992	ATOM	2885	CZ	TYR	В	80	54.885	14.478	62.004	1.000	27.92
ATOM 2888 CD2 TYR B 80 54.794 16.532 60.774 1.000 22.55 ATOM 2889 C TYR B 80 58.600 19.647 60.373 1.000 26.95 ATOM 2890 O TYR B 80 58.000 20.703 60.137 1.000 29.85 ATOM 2891 N ASP B 81 59.836 19.401 59.962 1.000 23.42 ATOM 2892 CA ASP B 81 60.607 20.320 59.148 1.000 23.41 ATOM 2893 CB ASP B 81 61.878 19.642 58.613 1.000 34.98 ATOM 2895 OD1 ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2895 OD1 ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2895 OD1 ASP B 81 62.951 20.053 60.680 1.000 35.92 ATOM 2896 OD2 ASP B 81 63.686 18.346 59.510 1.000 30.60 ATOM 2897 C ASP B 81 59.795 20.828 57.959 1.000 25.69 ATOM 2898 O ASP B 81 59.795 20.828 57.959 1.000 25.69 ATOM 2800 CA ALA B 82 59.122 19.915 57.268 1.000 30.21 ATOM 2900 CA ALA B 82 59.122 19.915 57.268 1.000 28.44 ATOM 2901 CB ALA B 82 57.984 18.939 55.373 1.000 26.10 ATOM 2902 C ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2903 O ALA B 82 56.790 21.814 55.211 1.000 25.55 ATOM 2904 N THR B 83 56.753 21.363 57.372 1.000 22.96 ATOM 2905 CA THR B 83 54.342 21.270 57.495 1.000 22.68 ATOM 2907 OG1 THR B 83 54.667 20.507 59.014 1.000 20.17 ATOM 2908 CG2 THR B 83 54.087 20.287 56.713 1.000 23.50 ATOM 2909 C THR B 83 54.687 20.287 56.713 1.000 23.50 ATOM 2909 C THR B 83 54.681 23.841 58.936 1.000 22.92	ATOM	2886	OH	TYR	В	80	54.233	13.393	62.539	1.000	22.86
ATOM 2889 C TYR B 80 58.600 19.647 60.373 1.000 26.95 ATOM 2890 O TYR B 80 58.000 20.703 60.137 1.000 29.85 ATOM 2891 N ASP B 81 59.836 19.401 59.962 1.000 23.42 ATOM 2892 CA ASP B 81 60.607 20.320 59.148 1.000 23.41 ATOM 2893 CB ASP B 81 61.878 19.642 58.613 1.000 34.98 ATOM 2894 CG ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2895 OD1 ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2896 OD2 ASP B 81 62.951 20.053 60.680 1.000 35.92 ATOM 2897 C ASP B 81 63.686 18.346 59.510 1.000 30.60 ATOM 2897 C ASP B 81 59.795 20.828 57.959 1.000 25.69 ATOM 2898 O ASP B 81 59.760 22.011 57.634 1.000 33.08 ATOM 2899 N ALA B 82 59.122 19.915 57.268 1.000 28.44 ATOM 2900 CA ALA B 82 59.122 19.915 57.268 1.000 28.44 ATOM 2901 CB ALA B 82 57.984 18.939 55.373 1.000 26.10 ATOM 2902 C ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2903 O ALA B 82 56.790 21.814 55.211 1.000 25.55 ATOM 2904 N THR B 83 56.753 21.363 57.372 1.000 22.96 ATOM 2905 CA THR B 83 54.342 21.270 57.845 1.000 29.40 ATOM 2907 OG1 THR B 83 54.667 20.507 59.014 1.000 29.40 ATOM 2908 CG2 THR B 83 54.667 20.507 59.014 1.000 29.40 ATOM 2909 C THR B 83 54.681 23.841 58.936 1.000 22.92	MOTA	2887	CE2	TYR	В	80	54.162	15.432	61.324	1.000	21.67
ATOM 2890 O TYR B 80 58.000 20.703 60.137 1.000 29.85 ATOM 2891 N ASP B 81 59.836 19.401 59.962 1.000 23.42 ATOM 2892 CA ASP B 81 60.607 20.320 59.148 1.000 23.41 ATOM 2893 CB ASP B 81 61.878 19.642 58.613 1.000 34.98 ATOM 2894 CG ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2895 OD1 ASP B 81 62.951 20.053 60.680 1.000 35.92 ATOM 2896 OD2 ASP B 81 63.686 18.346 59.510 1.000 30.60 ATOM 2897 C ASP B 81 59.795 20.828 57.959 1.000 25.69 ATOM 2898 O ASP B 81 59.795 20.828 57.959 1.000 25.69 ATOM 2899 N ALA B 82 59.122 19.915 57.268 1.000 28.44 ATOM 2900 CA ALA B 82 59.122 19.915 57.268 1.000 28.44 ATOM 2901 CB ALA B 82 57.984 18.939 55.373 1.000 26.10 ATOM 2902 C ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2903 O ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2904 N THR B 83 56.753 21.363 57.372 1.000 22.96 ATOM 2906 CB THR B 83 54.342 21.270 57.845 1.000 29.40 ATOM 2907 OG1 THR B 83 54.667 20.507 59.014 1.000 20.17 ATOM 2908 CG2 THR B 83 54.667 20.507 59.014 1.000 20.17 ATOM 2908 CG2 THR B 83 54.681 23.841 58.936 1.000 23.50 ATOM 2909 C THR B 83 54.681 23.841 58.936 1.000 22.92				TYR	В		54.794	16.532	60.774	1.000	22.55
ATOM 2891 N ASP B 81 59.836 19.401 59.962 1.000 23.42 ATOM 2892 CA ASP B 81 60.607 20.320 59.148 1.000 23.41 ATOM 2893 CB ASP B 81 61.878 19.642 58.613 1.000 34.98 ATOM 2894 CG ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2895 OD1 ASP B 81 62.951 20.053 60.680 1.000 35.92 ATOM 2896 OD2 ASP B 81 63.686 18.346 59.510 1.000 30.60 ATOM 2897 C ASP B 81 59.795 20.828 57.959 1.000 25.69 ATOM 2898 O ASP B 81 59.760 22.011 57.634 1.000 33.08 ATOM 2899 N ALA B 82 59.122 19.915 57.268 1.000 28.44 ATOM 2900 CA ALA B 82 59.122 19.915 57.268 1.000 28.44 ATOM 2901 CB ALA B 82 57.984 18.939 55.373 1.000 26.10 ATOM 2902 C ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2903 O ALA B 82 56.790 21.814 55.211 1.000 29.54 ATOM 2904 N THR B 83 56.753 21.363 57.372 1.000 22.96 ATOM 2905 CA THR B 83 55.542 22.170 57.495 1.000 22.68 ATOM 2906 CB THR B 83 54.342 21.270 57.845 1.000 29.40 ATOM 2907 OG1 THR B 83 54.667 20.507 59.014 1.000 20.17 ATOM 2908 CG2 THR B 83 54.667 20.287 56.713 1.000 23.50 ATOM 2909 C THR B 83 55.677 23.231 58.566 1.000 23.50 ATOM 2909 C THR B 83 55.677 23.231 58.566 1.000 23.50 ATOM 2909 C THR B 83 54.681 23.841 58.936 1.000 22.92	MOTA		С	TYR	В		58.600		60.373	1.000	26.95
ATOM 2892 CA ASP B 81 60.607 20.320 59.148 1.000 23.41 ATOM 2893 CB ASP B 81 61.878 19.642 58.613 1.000 34.98 ATOM 2894 CG ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2895 ODI ASP B 81 62.951 20.053 60.680 1.000 35.92 ATOM 2896 OD2 ASP B 81 63.686 18.346 59.510 1.000 30.60 ATOM 2897 C ASP B 81 59.795 20.828 57.959 1.000 25.69 ATOM 2898 O ASP B 81 59.795 20.828 57.959 1.000 25.69 ATOM 2899 N ALA B 82 59.122 19.915 57.268 1.000 28.44 ATOM 2900 CA ALA B 82 58.455 20.249 56.015 1.000 30.21 ATOM 2901 CB ALA B 82 57.984 18.939 55.373 1.000 26.10 ATOM 2902 C ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2903 O ALA B 82 56.790 21.814 55.211 1.000 29.54 ATOM 2904 N THR B 83 56.753 21.363 57.372 1.000 22.96 ATOM 2905 CA THR B 83 54.342 21.270 57.845 1.000 29.40 ATOM 2907 OG1 THR B 83 54.667 20.507 59.014 1.000 20.17 ATOM 2908 CG2 THR B 83 54.667 20.287 56.713 1.000 25.89 ATOM 2909 C THR B 83 54.681 23.841 58.936 1.000 23.50 ATOM 2909 C THR B 83 55.677 23.231 58.566 1.000 23.50 ATOM 2909 C THR B 83 54.681 23.841 58.936 1.000 22.92			0	TYR	В	80	58.000	20.703	60.137	1.000	29.85
ATOM 2893 CB ASP B 81 61.878 19.642 58.613 1.000 34.98 ATOM 2894 CG ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2895 OD1 ASP B 81 62.951 20.053 60.680 1.000 35.92 ATOM 2896 OD2 ASP B 81 63.686 18.346 59.510 1.000 30.60 ATOM 2897 C ASP B 81 59.795 20.828 57.959 1.000 25.69 ATOM 2898 O ASP B 81 59.760 22.011 57.634 1.000 33.08 ATOM 2899 N ALA B 82 59.122 19.915 57.268 1.000 28.44 ATOM 2900 CA ALA B 82 59.122 19.915 57.268 1.000 28.44 ATOM 2901 CB ALA B 82 57.984 18.939 55.373 1.000 26.10 ATOM 2902 C ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2903 O ALA B 82 56.790 21.814 55.211 1.000 25.55 ATOM 2904 N THR B 83 56.753 21.363 57.372 1.000 22.96 ATOM 2905 CA THR B 83 55.542 22.170 57.495 1.000 22.68 ATOM 2907 OG1 THR B 83 54.667 20.507 59.014 1.000 29.17 ATOM 2908 CG2 THR B 83 54.087 20.287 56.713 1.000 25.89 ATOM 2909 C THR B 83 55.677 23.231 58.566 1.000 23.50 ATOM 2909 C THR B 83 54.681 23.841 58.936 1.000 22.92			N		В	81	59.836	19.401	59.962	1.000	23.42
ATOM 2894 CG ASP B 81 62.914 19.322 59.664 1.000 32.41 ATOM 2895 OD1 ASP B 81 62.951 20.053 60.680 1.000 35.92 ATOM 2896 OD2 ASP B 81 63.686 18.346 59.510 1.000 30.60 ATOM 2897 C ASP B 81 59.795 20.828 57.959 1.000 25.69 ATOM 2898 O ASP B 81 59.760 22.011 57.634 1.000 33.08 ATOM 2899 N ALA B 82 59.122 19.915 57.268 1.000 28.44 ATOM 2900 CA ALA B 82 58.455 20.249 56.015 1.000 30.21 ATOM 2901 CB ALA B 82 57.984 18.939 55.373 1.000 26.10 ATOM 2902 C ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2903 O ALA B 82 56.790 21.814 55.211 1.000 29.54 ATOM 2904 N THR B 83 56.753 21.363 57.372 1.000 22.96 ATOM 2905 CA THR B 83 55.542 22.170 57.495 1.000 22.68 ATOM 2906 CB THR B 83 54.342 21.270 57.845 1.000 29.40 ATOM 2907 OG1 THR B 83 54.667 20.507 59.014 1.000 20.17 ATOM 2908 CG2 THR B 83 54.667 20.287 56.713 1.000 25.89 ATOM 2909 C THR B 83 55.677 23.231 58.566 1.000 23.50 ATOM 2909 C THR B 83 54.681 23.841 58.936 1.000 22.92					В		60.607	20.320	59.148	1.000	23.41
ATOM 2895 OD1 ASP B 81 62.951 20.053 60.680 1.000 35.92 ATOM 2896 OD2 ASP B 81 63.686 18.346 59.510 1.000 30.60 ATOM 2897 C ASP B 81 59.795 20.828 57.959 1.000 25.69 ATOM 2898 O ASP B 81 59.760 22.011 57.634 1.000 33.08 ATOM 2899 N ALA B 82 59.122 19.915 57.268 1.000 28.44 ATOM 2900 CA ALA B 82 58.455 20.249 56.015 1.000 30.21 ATOM 2901 CB ALA B 82 57.984 18.939 55.373 1.000 26.10 ATOM 2902 C ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2903 O ALA B 82 56.790 21.814 55.211 1.000 25.55 ATOM 2904 N THR B 83 56.753 21.363 57.372 1.000 22.96 ATOM 2905 CA THR B 83 55.542 22.170 57.495 1.000 22.96 ATOM 2906 CB THR B 83 54.342 21.270 57.845 1.000 29.40 ATOM 2907 OG1 THR B 83 54.667 20.507 59.014 1.000 20.17 ATOM 2908 CG2 THR B 83 54.087 20.287 56.713 1.000 25.89 ATOM 2909 C THR B 83 54.681 23.841 58.936 1.000 22.92					В			19.642	58.613		34.98
ATOM 2896 OD2 ASP B 81 63.686 18.346 59.510 1.000 30.60 ATOM 2897 C ASP B 81 59.795 20.828 57.959 1.000 25.69 ATOM 2898 O ASP B 81 59.760 22.011 57.634 1.000 33.08 ATOM 2899 N ALA B 82 59.122 19.915 57.268 1.000 28.44 ATOM 2900 CA ALA B 82 58.455 20.249 56.015 1.000 30.21 ATOM 2901 CB ALA B 82 57.984 18.939 55.373 1.000 26.10 ATOM 2902 C ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2903 O ALA B 82 56.790 21.814 55.211 1.000 25.55 ATOM 2904 N THR B 83 56.753 21.363 57.372 1.000 22.96 ATOM 2905 CA THR B 83 55.542 22.170 57.495 1.000 22.68 ATOM 2906 CB THR B 83 54.342 21.270 57.845 1.000 29.40 ATOM 2907 OG1 THR B 83 54.667 20.507 59.014 1.000 20.17 ATOM 2908 CG2 THR B 83 54.087 20.287 56.713 1.000 25.89 ATOM 2909 C THR B 83 55.677 23.231 58.566 1.000 23.50 ATOM 2910 O THR B 83 54.681 23.841 58.936 1.000 22.92					В			19.322	59.664		32.41
ATOM 2897 C ASP B 81 59.795 20.828 57.959 1.000 25.69 ATOM 2898 O ASP B 81 59.760 22.011 57.634 1.000 33.08 ATOM 2899 N ALA B 82 59.122 19.915 57.268 1.000 28.44 ATOM 2900 CA ALA B 82 58.455 20.249 56.015 1.000 30.21 ATOM 2901 CB ALA B 82 57.984 18.939 55.373 1.000 26.10 ATOM 2902 C ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2903 O ALA B 82 56.790 21.814 55.211 1.000 25.55 ATOM 2904 N THR B 83 56.753 21.363 57.372 1.000 22.96 ATOM 2905 CA THR B 83 55.542 22.170 57.495 1.000 22.68 ATOM 2906 CB THR B 83 54.342 21.270 57.845 1.000 29.40 ATOM 2907 OG1 THR B 83 54.667 20.507 59.014 1.000 20.17 ATOM 2908 CG2 THR B 83 54.087 20.287 56.713 1.000 25.89 ATOM 2909 C THR B 83 54.681 23.841 58.936 1.000 22.92					В						35.92
ATOM 2898 O ASP B 81 59.760 22.011 57.634 1.000 33.08 ATOM 2899 N ALA B 82 59.122 19.915 57.268 1.000 28.44 ATOM 2900 CA ALA B 82 58.455 20.249 56.015 1.000 30.21 ATOM 2901 CB ALA B 82 57.984 18.939 55.373 1.000 26.10 ATOM 2902 C ALA B 82 57.283 21.200 56.164 1.000 29.54 ATOM 2903 O ALA B 82 56.790 21.814 55.211 1.000 25.55 ATOM 2904 N THR B 83 56.753 21.363 57.372 1.000 22.96 ATOM 2905 CA THR B 83 55.542 22.170 57.495 1.000 22.68 ATOM 2906 CB THR B 83 54.342 21.270 57.845 1.000 29.40 ATOM 2907 OG1 THR B 83 54.667 20.507 59.014 1.000 20.17 ATOM 2908 CG2 THR B 83 54.087 20.287 56.713 1.000 25.89 ATOM 2909 C THR B 83 55.677 23.231 58.566 1.000 23.50 ATOM 2910 O THR B 83 54.681 23.841 58.936 1.000 22.92											
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ATOM 2910 O THR B 83 54.681 23.841 58.936 1.000 22.92											
ATOM 2911 N ARG B 84 56.897 23.443 59.056 1.000 25.87											
	ATOM	2911	N	ARG	В	84	56.897	23.443	59.056	1.000	25.87

ATOM	2912	CA	ARG	В	84	57.050	24.372	60.171	1.000	26.66
MOTA	2913	CB	ARG	В	84	58.405	24.149	60.862	1.000	26.13
ATOM	2914	CG	ARG	В	84	59.618	24.541	60.040	1.000	22.35
ATOM	2915	CD	ARG	В	84	60.929	24.294	60.779	1.000	26.61
ATOM	2916	NE	ARG	_	84	62.018	24.933	60.053	1.000	28.50
ATOM	2917	CZ	ARG		84	62.683	26.031	60.352	1.000	29.24
ATOM	2918	NH1	ARG		84	62.442	26.754	61.435	1.000	24.43
MOTA	2919		ARG	В	84	63.645	26.433	59.530	1.000	32.59
MOTA	2920	С	ARG	В	84	56.890	25.819	59.728	1.000	22.30
ATOM	2921	0	ARG	В	84	57.133	26.183	58.583	1.000	23.04
ATOM	2922	N	VAL	В	85	56.477	26.663	60.669	1.000	18.94
ATOM	2923	CA	VAL		85	56.405	28.101	60.424	1.000	21.51
ATOM	2924	CB	VAL		85	55.322	28.738	61.308	1.000	18.95
ATOM	2925	CG1	VAL		85	55.256	30.249	61.152	1.000	24.35
MOTA	2926	CG2	VAL	В	85	53.967	28.113	60.988	1.000	12.73
ATOM	2927	С	VAL	В	85	57.776	28.707	60.699		25.23
ATOM	2928	0	VAL	В	85	58.331	28.435	61.767		27.46
MOTA	2929	N	LYS	В	86	58.320	29.488	59.782	1.000	19.69
MOTA	2930	CA	LYS	В	86	59.624	30.120	59.878	1.000	21.25
ATOM	2931	СВ	LYS	В	86	60.321	30.044	58.509	1.000	26.66
ATOM	2932	CG		В	86	60.905	28.675	58.194	1.000	33.26
ATOM	2933	CD	LYS		86	60.950	28.412	56.698	1.000	34.06
ATOM	2934	CE	LYS	В	86	61.685	27.121	56.377	1.000	41.77
						63.000				
ATOM	2935	ΝZ	-	В	86		27.368	55.715	1.000	51.25
ATOM	2936	С		В	86	59.558	31.584	60.289	1.000	27.93
ATOM	2937	0	LYS		86	58.723	32.338	59.780	1.000	31.79
MOTA	2938	N	LEU	В	87	60.431	32.027	61.194	1.000	31.15
MOTA	2939	CA	LEU	В	87	60.507	33.457	61.505	1.000	28.89
MOTA	2940	CB	LEU	В	87	61.126	33.736	62.870	1.000	21.77
ATOM	2941	CG	LEU	В	87	60.472	33.041	64.066	1.000	30.37
ATOM	2942	CD1	LEU	В	87	61.312	33.206	65.321	1.000	35.12
ATOM	2943	CD2	LEU		87	59.066	33.577	64.279	1.000	22.71
ATOM	2944	C		В	87	61.332	34.163	60.429		37.83
ATOM	2945	0		В	87	62.297	33.589	59.913		30.13
	2945								1.000	
ATOM		N	SER		88	60.944	35.389	60.100		36.67
ATOM	2947	CA	SER		88	61.678	36.147	59.095	1.000	40.88
ATOM	2948	CB	SER		88	61.145	37.572	58.969	1.000	50.96
MOTA	2949	OG	SER	В	88	61.924	38.447	59.787	1.000	71.49
ATOM	2950	С	SER	В	88	63.162	36.209	59.453	1.000	53.58
ATOM	2951	0	SER	В	88	63.487	36.614	60.569	1.000	59.70
MOTA	2952	N	ASN	В	89	63.971	35.800	58.503	1.000	71.44
MOTA	2953	CA	ASN		89	65.419	35.723	58.486	1.000	85.86
ATOM	2954	CB	ASN		89	65.871	36.099	57.064		
ATOM	2955	CG	ASN		89	64.906	35.515	56.046		
			ASN				35.820	56.022		
ATOM	2956				89	63.714				
ATOM	2957		ASN		89	65.435	34.646	55.196		
ATOM	2958	С	ASN		89	66.085	36.608	59.532		
MOTA	2959	0	ASN		89	66.500	37.726	59.230		
MOTA	2960	N	VAL	В	90	66.182	36.108	60.760	1.000	99.91
ATOM	2961	CA	VAL	В	90	66.604	36.863	61.925	1.0001	06.49
ATOM	2962	CB	VAL		90	65.922	36.329	63.208	1.0001	00.23
ATOM	2963		VAL		90	65.594	37.484		1.000	
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ATOM	2964	CG2	. VAL	В	90	64.673	35.536	62.861 1.000 93.25
MOTA	2965	С	VAL	В	90	68.114	36.866	62.182 1.000113.45
MOTA	2966	0	VAL	В	90	68.832	35.943	61.806 1.000122.31
MOTA	2967	N	ASP		91	68.544	37.933	62.844 1.000114.27
MOTA	2968	CA	ASP		91	69.897	38.277	63.228 1.000110.66
MOTA	2969	CB	ASP		91	69.892	39.409	64.264 1.000111.15
MOTA	2970	CG	ASP		91	71.270	40.014	64.465 1.000110.08
ATOM	2971	OD1			91	71.763	40.698	63.539 1.000108.01
ATOM	2972	OD2			91	71.864	39.800	65.540 1.000107.80
ATOM	2973	C	ASP		91	70.667	37.090	63.802 1.000103.90
ATOM	2974	0	ASP		91	70.062	36.112	64.251 1.000107.40
MOTA	2975	N	ASP		92	71.989	37.191	63.769 1.000 95.56
MOTA	2976	CA	ASP		92	72.913	36.160	64.216 1.000 92.84
ATOM	2977	CB	ASP		92	72.475	35.573	65.557 1.000 96.48
MOTA	2978	CG OD1	ASP		92	73.473	35.776	66.676 1.000 98.09
ATOM ATOM	2979 2980	OD1		B B	92 92	73.609	34.872	67.529 1.000 84.88
ATOM	2981	C	ASP	В	92	74.122 73.036	36.837 35.057	66.715 1.000107.58
ATOM	2982	Ö	ASP	В	92	74.144	34.632	63.161 1.000 91.94 62.832 1.000 94.07
ATOM	2983	N	ASP	В	93	71.901	34.619	62.650 1.000 91.73
ATOM	2984	CA	ASP	В	93	71.682	33.642	61.611 1.000 95.04
ATOM	2985	CB	ASP		93	72.393	34.073	60.319 1.000103.17
ATOM	2986	CG	ASP	В	93	71.728	35.227	59.594 1.000106.58
ATOM	2987			В	93	70.954	34.993	58.638 1.000104.63
ATOM	2988		ASP	В	93	71.988	36.396	59.962 1.000107.25
ATOM	2989	С	ASP	В	93	72.140	32.243	62.001 1.000 91.99
ATOM	2990	0	ASP	В	93	72.871	31.598	61.239 1.000105.20
ATOM	2991	N	PRO	В	94	71.753	31.714	63.147 1.000 86.76
ATOM	2992	CA	PRO	В	94	72.111	30.328	63.491 1.000 84.05
ATOM	2993	СВ	PRO	В	94	72.346	30.431	64.992 1.000 81.07
MOTA	2994	CG	PRO	В	94	71.549	31.600	65.461 1.000 79.07
MOTA	2995	CD	PRO	В	94	70.967	32.274	64.262 1.000 82.73
MOTA	2996	С	PRO	В	94	70.930	29.403	63.184 1.000 88.17
ATOM	2997	0	PRO	В	94	70.886	28.767	62.140 1.000 95.17
ATOM	2998	N	CYS	В	95	70.014	29.396	64.129 1.000 85.15
ATOM	2999	CA		В	95	68.692	28.806	64.171 1.000 71.00
ATOM	3000	CB		В	95	68.676	27.559	65.048 1.000 68.25
ATOM	3001	SG		В	95	70.324	27.048	65.606 1.000 59.08
ATOM	3002	C	CYS		95	67.724	29.872	64.691 1.000 61.59
ATOM	3003	0	CYS		95	66.839	29.638	65.507 1.000 45.14
ATOM	3004	N G7	SER		96	67.966	31.077	64.176 1.000 54.56
ATOM	3005	CA	SER		96	67.227	32.262	64.582 1.000 54.51
ATOM	3006	CB	SER		96	67.962	33.527	64.131 1.000 53.89
ATOM	3007 3008	OG C	SER		96	68.750	33.268	62.979 1.000 64.41
ATOM ATOM	3009	C 0	SER SER		96 96	65.806 64.946	32.239	64.029 1.000 47.05
ATOM	3010	N	ASP		97	65.565	32.971	64.526 1.000 50.88
ATOM	3010	CA	ASP		97	64.263	31.402 31.360	63.024 1.000 36.23 62.369 1.000 27.85
ATOM	3012	CB	ASP		97	64.461	30.914	60.911 1.000 24.26
ATOM	3012	CG	ASP		97	64.720	29.419	60.834 1.000 36.82
ATOM	3013		ASP		97	65.206	28.822	61.819 1.000 38.88
ATOM	3015		ASP		97	64.431	28.828	59.772 1.000 52.38
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MOTA	3016	С	ASP F	3 9	7	63.263	30.420	63.027		29.64
MOTA	3017	0	ASP E	3 9	7	62.132	30.313	62.537	1.000	25.93
ATOM	3018	N	TYR E	3 9	3	63.653	29.727	64.094	1.000	31.48
ATOM	3019	CA	TYR E	3 9	3	62.830	28.686	64.683	1.000	27.28
ATOM	3020	СВ	TYR E		3	63.708	27.639	65.426	1.000	24.83
ATOM	3021	CG	TYR E			62.860	26.500	65.960	1.000	19.17
ATOM	3022	CD1	TYR F			62.365	25.535	65.080	1.000	20.66
ATOM	3023	CE1	TYR E			61.587	24.485	65.523		24.11
ATOM		CZ	TYR E			61.285	24.380	66.864		26.77
	3024						23.331	67.317	1.000	19.75
ATOM	3025	OH	TYR E			60.508				22.13
ATOM	3026	CE2	TYR F			61.760	25.324	67.751		
ATOM	3027	CD2	TYR I			62.540	26.372	67.306	1.000	20.85
ATOM	3028	С	TYR F			61.775	29.132	65.687		20.04
MOTA	3029	0	TYR E			61.972	29.920	66.608		25.66
MOTA	3030	N	ILE E	9	9	60.604	28.517	65.531		20.57
MOTA	3031	CA	ILE E	9	9	59.546	28.552	66.532		19.42
MOTA	3032	CB	ILE E	3 9	9	58.577	29.720	66.314		19.96
ATOM	3033	CG1	ILE F	3 9	9	57.447	29.790	67.336	1.000	17.02
ATOM	3034	CD1	ILE E	3 9	9	56.771	31.140	67.413	1.000	19.58
ATOM	3035	CG2	ILE E			58.013	29.694	64.897	1.000	29.56
ATOM	3036	С	ILE E			58.773	27.240	66.500	1.000	22.92
ATOM	3037	0	ILE E			58.543	26.677	65.428		23.59
ATOM	3038	N	ASN E			58.373	26.722	67.665		17.01
ATOM	3039	CA	ASN E			57.617	25.462	67.617	1.000	
		CB	ASN E			57.574	24.797	68.989	1.000	22.98
ATOM	3040		ASN E			56.990	23.404	68.998		24.77
ATOM	3041	CG						68.319	1.000	
ATOM	3042	OD1	ASN E			56.001	23.116			
MOTA	3043		ASN E			57.571	22.496	69.786	1.000	18.32
ATOM	3044	C	ASN E			56.226	25.777	67.081	1.000	20.30
MOTA	3045	0	ASN E			55.361	26.152	67.888	1.000	19.79
MOTA	3046	N	ALA E			56.067	25.654	65.760		21.42
ATOM	3047	CA	ALA E			54.782	25.946	65.121	1.000	
ATOM	3048	CB	ALA E	3 10	L	54.559	27.450	65.071	1.000	13.80
ATOM	3049	С	ALA E			54.696	25.326	63.732	1.000	
MOTA	3050	0	ALA E	10	l	55.715	25.142	63.072	1.000	18.76
ATOM	3051	N	SER E	10	2	53.499	24.985	63.271	1.000	29.48
ATOM	3052	CA	SER E	10	2	53.250	24.285	62.023	1.000	19.07
ATOM	3053	СВ	SER E	10	2	52.919	22.808	62.271	1.000	15.75
ATOM	3054	OG	SER E	10	2	53.753	22.258	63.274	1.000	21.52
ATOM	3055	С	SER E		2	52.073	24.879	61.259	1.000	19.78
ATOM	3056	Ō	SER E			51.068	25.227	61.882		
ATOM	3057	N	TYR E			52.181	24.977	59.931		
ATOM	3058	CA	TYR E			51.017	25.426	59.166		
ATOM	3059	CB	TYR E			51.373	25.982	57.794		
			TYR E			52.221	27.216	57.690		
ATOM	3060 3061	CG CD1	TYR E			51.692	28.498	57.841		
ATOM		CD1						57.736		
ATOM	3062	CE1	TYR E			52.490	29.627			
ATOM	3063	CZ	TYR E			53.840	29.489	57.472		
ATOM	3064	OH	TYR E			54.656	30.597	57.367		
ATOM	3065	CE2	TYR E			54.394	28.237	57.316		
ATOM	3066	CD2	TYR E			53.585	27.113	57.422		
MOTA	3067	С	TYR E	10	3	50.054	24.256	58.995	1.000	16.67

ATOM	3068	0	TYR 1	3 103	50.489	23.126	58.760 1.000 22.	66
MOTA	3069	N	ILE 1	3 104	48.756	24.521	59.088 1.000 19.	23
ATOM	3070	CA	ILE I	3 104	47.781	23.448	58.955 1.000 24.	34
ATOM	3071	CB	ILE 1	3 104	47.099	23.127	60.304 1.000 32.	75
ATOM	3072	CG1	ILE	3 104	48.085	22.913	61.452 1.000 27.	91
ATOM	3073	CD1			48.886	21.643	61.328 1.000 18.	
ATOM	3074	CG2			46.164	21.938	60.144 1.000 20.	
ATOM	3075	С	ILE H		46.672	23.774	57.966 1.000 24.	
ATOM	3076	Ō	ILE E		46.080	24.847	58.018 1.000 15.	
ATOM	3077	N	PRO E		46.370	22.829	57.086 1.000 25.	
ATOM	3078	CA	PRO I		45.332	23.074	56.078 1.000 27.	
ATOM	3079	CB	PRO I		45.503	21.922	55.088 1.000 18.	
ATOM	3080	CG	PRO E		46.582	21.035	55.586 1.000 21.	
ATOM	3081	CD	PRO E		46.944	21.482	56.973 1.000 24.	
ATOM	3082	С	PRO E					
					43.940	23.045	56.698 1.000 28.	
MOTA	3083	0	PRO E		43.656	22.391	57.703 1.000 36.	
ATOM	3084	N	GLY F		43.011	23.768	56.085 1.000 21.	
MOTA	3085	CA	GLY E		41.640	23.703	56.591 1.000 21.	
ATOM	3086	С	GLY E		40.757	23.172	55.465 1.000 27.	
ATOM	3087	0	GLY E		41.280	22.580	54.521 1.000 21.	
ATOM	3088	N	ASN E		39.461	23.394	55.567 1.000 27.	
ATOM	3089	CA	ASN E		38.490	22.979	54.572 1.000 35.	
ATOM	3090	СВ	ASN E		37.085	23.184	55.152 1.000 47.	
ATOM	3091	CG	ASN E		36.304	21.899	55.308 1.000 49.	77
ATOM	3092		ASN E		35.075	21.945	55.229 1.000 73.	31
ATOM	3093	ND2			36.983	20.777	55.521 1.000 41.	72
ATOM	3094	С	ASN E		38.605	23.762	53.268 1.000 40.0	
MOTA	3095	0	ASN E		38.170	23.268	52.227 1.000 27.4	43
MOTA	3096	N	ASN E		39.172	24.962	53.316 1.000 47.3	34
MOTA	3097	CA	ASN B	108	39.181	25.892	52.194 1.000 49.1	18
MOTA	3098	CB	ASN B	108	38.573	27.227	52.670 1.000 53.3	17
MOTA	3099	CG	ASN B	108	37.444	27.012	53.664 1.000 60.3	31
ATOM	3100	OD1	ASN B	108	36.332	26.632	53.279 1.000 45.8	30
MOTA	3101	ND2	ASN B	108	37.724	27.248	54.945 1.000 39.4	45
MOTA	3102	С	ASN B	108	40.545	26.159	51.574 1.000 41.8	39
ATOM	3103	0	ASN B	108	40.633	26.284	50.347 1.000 48.3	34
ATOM	3104	N	PHE B	109	41.607	26.266	52.373 1.000 32.7	76
ATOM	3105	CA	PHE B	109	42.947	26.513	51.844 1.000 22.3	32
ATOM	3106	CB	PHE B	109	43.245	28.009	51.738 1.000 27.5	58
ATOM	3107	CG	PHE B	109	42.837	28.902	52.878 1.000 36.2	26
ATOM	3108	CD1	PHE B	109	43.785	29.482	53.709 1.000 36.9	
ATOM	3109	CE1	PHE B	109	43.434	30.318	54.748 1.000 43.6	65
ATOM	3110	CZ	PHE B	109	42.102	30.599	54.991 1.000 46.8	37
ATOM	3111	CE2	PHE B	109	41.144	30.029	54.175 1.000 48.2	29
ATOM	3112	CD2	PHE B	109	41.509	29.191	53.140 1.000 38.5	
ATOM	3113	С	PHE B		44.009	25.809	52.681 1.000 26.8	
ATOM	3114	0	PHE B		43.745	25.302	53.775 1.000 33.4	
ATOM	3115	N	ARG B		45.231	25.760	52.163 1.000 21.4	
ATOM	3116	CA	ARG B		46.293	24.976	52.783 1.000 29.8	
ATOM	3117	СВ	ARG B		47.331	24.635	51.691 1.000 23.0	
ATOM	3118	CG	ARG B		46.678	23.836	50.567 1.000 24.7	
ATOM	3119	CD	ARG B		47.700	23.142	49.690 1.000 35.9	
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ATOM	3120	NE	ARG	В	110	48.602	22.284	50.447		
ATOM	3121	CZ	ARG	В	110	48.689	20.963	50.337	1.000	65.83
ATOM	3122	NH1	ARG	В	110	47.907	20.318	49.480	1.000	62.56
ATOM	3123	NH2	ARG	В	110	49.562	20.304	51.095	1.000	60.21
MOTA	3124	С	ARG	В	110	46.975	25.640	53.960	1.000	33.08
ATOM	3125	0	ARG	В	110	47.566	24.963	54.817		25.95
MOTA	3126	N	ARG	В	111	46.949	26.968	54.073	1.000	29.38
ATOM	3127	CA	ARG	В	111	47.600	27.571		1.000	
ATOM	3128	CB	ARG	В	111	48.716	28.513	54.839		
ATOM	3129	CG	ARG	В	111	49.940	27.889	54.187	1.000	
ATOM	3130	CD	ARG	В	111	51.044	28.951	54.077	1.000	25.11
MOTA	3131	NE	ARG	В	111	52.352	28.321	54.010	1.000	31.63
ATOM	3132	CZ	ARG	В	111	53.527	28.919	53.942	1.000	26.99
ATOM	3133		ARG	В	111	53.614	30.238	53.935	1.000	28.95
ATOM	3134	NH2	ARG	В	111	54.622	28.173	53.884	1.000	31.47
ATOM	3135	С	ARG		111	46.556	28.306	56.085	1.000	24.94
ATOM	3136	0	ARG		111	46.687	29.475	56.447	1.000	29.91
ATOM	3137	N	GLU		112	45.493	27.571		1.000	
MOTA	3138	CA	GLU		112	44.323	28.134	57.049	1.000	17.42
ATOM	3139	СВ	GLU		112	43.130	27.204	56.817		18.28
ATOM	3140	CG	GLU		112	41.790	27.862	57.105	1.000	24.48
ATOM	3141	CD	GLU		112	40.654	27.199		1.000	26.29
ATOM	3142		GLU		112	39.501	27.461		1.000	26.21
ATOM	3143		GLU		112	40.909	26.434	55.398		31.20
ATOM	3144	C	GLU		112	44.592	28.379		1.000	17.73
MOTA	3145	0	GLU		112	44.083	29.339			22.88
ATOM	3146	N	TYR		113	45.416	27.518			16.08
ATOM	3147	CA	TYR		113	45.780	27.574	60.502		
ATOM	3148	CB	TYR		113	45.177	26.393	61.277		
ATOM	3149	CG	TYR		113	43.707	26.143		1.000	
ATOM	3150	CD1	TYR		113	43.282	25.255		1.000	
ATOM	3151	CE1	TYR		113	41.933	25.027		1.000	
ATOM	3152	CZ	TYR		113	40.987	25.692	60.567		21.97
ATOM	3153	OH	TYR		113	39.644	25.476			20.75
ATOM	3154	CE2			113	41.385	26.582	61.546		21.97
	3155	CD2			113	42.735	26.804	61.770	1.000	21.68
ATOM ATOM	3156	CDZ	TYR		113	47.295	27.552			27.43
ATOM	3157	0	TYR		113	48.024	26.950		1.000	18.10
ATOM	3158	N	ILE		114	47.733	28.214	61.752		
	3159	CA	ILE			49.024	27.953	62.338		
MOTA						49.919	29.192	62.464		
ATOM	3160	CB	ILE		114	50.399	29.756	61.124		
ATOM	3161		ILE				31.212	61.142		
ATOM	3162		ILE		114	50.784		63.390		
ATOM	3163		ILE		114	51.079	28.849	63.725		
ATOM	3164	C	ILE		114	48.786	27.336	64.594		17.78
ATOM	3165	0	ILE		114	48.140	27.927	63.911		
MOTA	3166	N	VAL		115	49.305	26.125			
ATOM	3167	CA	VAL		115	49.196	25.470	65.217		
ATOM	3168	CB	VAL		115	48.867	23.969	65.081		
MOTA	3169		VAL		115	49.290	23.223	66.338		
ATOM	3170		VAL		115	47.385	23.774	64.788		
MOTA	3171	С	VAL	В	115	50.500	25.641	65.985	1.000	22.51

MOTA	3172	0	VAL	В	115	51.594	25.418	65.450 1.000 1	4.78
ATOM	3173	N	THR	В	116	50.429	26.049	67.251 1.000 2	1.02
ATOM	3174	CA	THR	В	116	51.704	26.242	67.962 1.000 1	9.77
ATOM	3175	СВ	THR	В	116	52.149	27.711		3.82
MOTA	3176	OG1	THR	В	116	53.495	27.907		6.84
ATOM	3177	CG2			116	51.242	28.587		9.85
ATOM	3178	C	THR		116	51.552	25.744	69.390 1.000 2	
ATOM	3179	Ö	THR		116	50.467	25.376		7.14
ATOM	3180	N	GLN		117	52.654	25.693		3.60
ATOM	3181	CA	GLN		117	52.679	25.319	71.514 1.000 2	
ATOM	3182	CB	GLN		117	54.080	24.807		4.62
ATOM	3183	CG	GLN		117	55.034	25.933		
ATOM	3184	CD	GLN		117				3.72
ATOM	3185	OE1				56.479	25.515	72.375 1.000 26	
ATOM	3186	NE2			117	56.812	24.331		7.92
					117	57.357	26.520		3.64
ATOM	3187	C	GLN		117	52.327	26.512	72.391 1.000 23	
ATOM	3188	0	GLN		117	52.440	27.656	71.939 1.000 18	
ATOM	3189	N	GLY		118	51.927	26.261	73.638 1.000 23	
ATOM	3190	CA	GLY		118	51.716	27.416	74.523 1.000 23	
ATOM	3191	C	GLY		118	53.050	28.104	74.761 1.000 17	
ATOM	3192	0	GLY		118	54.002	27.456	75.207 1.000 23	
ATOM	3193	N	PRO		119	53.131	29.390	74.454 1.000 18	
ATOM	3194	CA	PRO		119	54.401	30.117	74.548 1.000 23	
ATOM	3195	CB	PRO			53.993	31.581	74.327 1.000 19	
ATOM	3196	CG	PRO			52.757	31.486	73.500 1.000 19	
ATOM	3197	CD	PRO		119	52.031	30.260		7.07
ATOM	3198	С	PRO		119	55.064	29.980	75.917 1.000 25	
ATOM	3199	0	PRO		119	54.414	29.867	76.952 1.000 21	
ATOM	3200	N	LEU		120	56.384	29.996	75.884 1.000 24	
ATOM	3201	CA			120	57.259	29.997	77.034 1.000 28	
ATOM	3202	CB	LEU		120	58.542	29.210		. 91
ATOM	3203	CG	LEU		120	58.366	27.711	76.511 1.000 23	
ATOM	3204	CD1	LEU		120	59.490	27.175		.39
ATOM	3205	CD2	LEU		120	58.314	26.965		. 44
ATOM	3206	C	LEU	_	120	57.615	31.439		.77
ATOM	3207	0	LEU		120	57.514	32.304		.03
ATOM	3208	N	PRO		121	58.016	31.692		.35
ATOM	3209	CA	PRO		121	58.561	33.014		.57
ATOM	3210	CB	PRO		121	59.171	32.787	80.326 1.000 27	
ATOM	3211	CG	PRO		121	58.375	31.675	80.918 1.000 32	
ATOM	3212	CD	PRO		121	57.975	30.783		.73
ATOM	3213	С	PRO		121	59.641	33.414	77.943 1.000 28	
ATOM	3214	0	PRO		121	59.741	34.555		.29
ATOM	3215	N	GLY		122	60.489	32.450	77.562 1.000 22	
ATOM	3216	CA	GLY		122	61.573	32.788	76.653 1.000 20	
ATOM	3217	С	GLY		122	61.178	32.799	75.191 1.000 28	
ATOM	3218	0	GLY			61.990	33.229	74.365 1.000 28	
ATOM	3219	N	THR			59.980	32.360	74.810 1.000 27	
ATOM	3220	CA	THR			59.604	32.385	73.401 1.000 33	
ATOM	3221	CB	THR			59.259	30.981	72.854 1.000 33	
ATOM	3222		THR			58.039	30.554	73.480 1.000 25	
ATOM	3223	CG2	THR	В	123	60.341	29.968	73.169 1.000 20	.05

										00 44
ATOM	3224	С	THR	В	123	58.385	33.260	73.106		
ATOM	3225	0	THR	В	123	57.931	33.303	71.961	1.000	
MOTA	3226	N	LYS	В	124	57.853	33.950	74.105	1.000	26.51
MOTA	3227	CA	LYS	В	124	56.691	34.807	73.893	1.000	28.23
ATOM	3228	СВ	LYS	В	124	56.273	35.483	75.199	1.000	32.16
ATOM	3229	CG	LYS		124	57.460	35.814	76.097	1.000	43.91
MOTA	3230	CD		В	124	57.144	37.009		1.000	
ATOM	3231	CE	LYS		124	57.277	36.684		1.000	
	3232	NZ		В	124	56.082	37.130		1.000	
ATOM					124	56.961	35.882	72.845	1.000	
ATOM	3233	C		В			36.336	72.203		
ATOM	3234	0		В	124	56.010		72.203		
MOTA	3235	N	ASP		125	58.221	36.273			
ATOM	3236	CA	ASP		125	58.589	37.344	71.759		
ATOM	3237	CB	ASP		125	59.998	37.856	72.044		
MOTA	3238	CG		В	125	60.063	38.882	73.163		
ATOM	3239	OD1	ASP	В	125	59.010	39.337	73.647		
MOTA	3240	OD2	ASP	В	125	61.180	39.261	73.577		
ATOM	3241	С	ASP	В	125	58.486	36.861	70.313		
MOTA	3242	0	ASP	В	125	58.053	37.590	69.423	1.000	23.13
MOTA	3243	N	ASP	В	126	58.894	35.619	70.119		
ATOM	3244	CA	ASP	В	126	58.855	34.917	68.846	1.000	29.93
ATOM	3245	СВ	ASP	В	126	59.612	33.590	68.923	1.000	33.34
ATOM	3246	CG	ASP		126	61.095	33.725	69.208	1.000	42.49
ATOM	3247		ASP		126	61.684	34.754	68.799		
ATOM	3248		ASP		126	61.666	32.798	69.837		
ATOM	3249	C		В	126	57.410	34.663	68.425	1.000	
ATOM	3250	0	ASP		126	57.077	34.759	67.243		
ATOM	3251	N	PHE		127	56.556	34.333		1.000	
	3252	CA	PHE		127	55.135	34.135		1.000	
ATOM						54.360	33.783	70.363		
ATOM	3253	CB	PHE		127		33.698	70.240		
ATOM	3254	CG	PHE		127	52.860	32.500	69.878		
ATOM	3255		PHE		127	52.255				
MOTA	3256		PHE		127	50.881	32.398	69.750		
ATOM	3257	CZ	PHE		127	50.087	33.500	70.006		
MOTA	3258		PHE		127	50.667	34.705	70.361		
MOTA	3259	CD2	PHE		127	52.039	34.789	70.487	1.000	
MOTA	3260	С	PHE		127	54.535	35.373		1.000	
MOTA	3261	0	PHE		127	53.905	35.276		1.000	
MOTA	3262	N	TRP	В	128	54.685	36.549	69.032		
MOTA	3263	CA	TRP	В	128	54.065	37.773	68.523		
ATOM	3264	CB	TRP	В	128	54.104	38.859	69.604		
MOTA	3265	CG	TRP	В	128	53.145	38.614	70.734	1.000	17.80
MOTA	3266	CD1	TRP	В	128	53.470	38.390	72.040	1.000	22.53
MOTA	3267		TRP		128	52.331	38.203	72.789	1.000	21.74
ATOM	3268		TRP		128	51.240	38.303	71.966		
ATOM	3269		TRP		128	51.714	38.558	70.668		
MOTA	3270		TRP		128	50.778	38.703	69.637		
ATOM	3270		TRP		128	49.429	38.592	69.915		
ATOM	3271		TRP		128	48.991	38.335	71.226		
		CZ2			128	49.878	38.187	72.259		
ATOM	3273					54.735	38.234	67.237		
ATOM	3274	С	TRP					66.322		
MOTA	3275	0	TRP	B	TZΩ	54.116	38.775	00.322	1.000	21.01

MOTA	3276	N	LYS			56.042	38.016	67.133		
MOTA	3277	CA	LYS	В	129	56.723	38.282	65.866		
ATOM	3278	CB	LYS	В	129	58.217	37.994	65.979	1.000	22.55
MOTA	3279	CG	LYS	В	129	58.950	37.985	64.651	1.000	39.82
ATOM	3280	CD	LYS		129	60.460	38.047	64.814	1.000	48.10
ATOM	3281	CE	LYS		129	61.160	37.738	63.491	1.000	52.05
ATOM	3282	NZ			129	62.627	37.573	63.678		
ATOM	3283	C	LYS		129	56.113	37.409	64.776		
	3284	0	LYS		129	55.893	37.876	63.661		
MOTA			MET		130	55.848	36.148	65.124	1.000	
ATOM	3285	N				55.154	35.233	64.230	1.000	
ATOM	3286	CA	MET		130				1.000	
MOTA	3287	CB			130	54.979	33.827	64.845		
ATOM	3288	CG			130	54.169	32.925	63.904	1.000	
ATOM	3289	SD	MET		130	54.092	31.205	64.479		
MOTA	3290	CE	MET		130	52.919	31.427	65.833	1.000	
ATOM	3291	С	MET		130	53.777	35.775	63.863		
ATOM	3292	0	MET		130	53.351	35.838	62.715	1.000	
ATOM	3293	N	VAL	В	131	53.029	36.170	64.886		
MOTA	3294	CA	VAL	В	131	51.706	36.739	64.639		
ATOM	3295	СВ	VAL	В	131	51.028	37.081	65.977	1.000	24.44
ATOM	3296	CG1	VAL	В	131	49.870	38.035	65.754	1.000	20.24
ATOM	3297	CG2	VAL	В	131	50.586	35.801	66.687	1.000	20.58
ATOM	3298	С	VAL		131	51.794	37.977	63.748	1.000	29.32
ATOM	3299	0	VAL		131	50.974	38.203	62.851	1.000	27.58
ATOM	3300	N	TRP		132	52.810	38.804	63.985	1.000	
MOTA	3301	CA			132	52.980	40.015	63.177	1.000	
ATOM	3302	CB	TRP		132	54.037	40.918	63.807	1.000	
ATOM	3303	CG	TRP		132	54.280	42.211	63.101		
	3304	CD1	TRP		132	55.382	42.547	62.364	1.000	
ATOM						55.258	43.822	61.863	1.000	
ATOM	3305	NE1	TRP		132		44.338	62.273		
ATOM	3306	CE2			132	54.059				
ATOM	3307	CD2	TRP		132	53.417	43.354	63.054		
MOTA	3308	CE3			132	52.159	43.629	63.598		
ATOM	3309	CZ3	TRP			51.604	44.866	63.343		
ATOM	3310	CH2			132	52.271	45.821	62.564		
MOTA	3311	CZ2	TRP		132	53.499	45.590	62.016		
ATOM	3312	С	TRP		132	53.348	39.679	61.736		
MOTA	3313	0	TRP			52.732	40.210	60.809		
ATOM	3314	N	GLU			54.336	38.817	61.516		
MOTA	3315	CA	GLU	В	133	54.803	38.528	60.167		
ATOM	3316	CB	GLU	В	133	56.122	37.762	60.268		
ATOM	3317	CG	GLU	В	133	57.215	38.565	60.953		
ATOM	3318	CD	GLU	В	133	58.525	37.797	60.960	1.000	30.30
ATOM	3319		GLU			58.479	36.560	60.767	1.000	25.13
MOTA	3320		GLU			59.568	38.461	61.151	1.000	35.58
ATOM	3321	C	GLU			53.810	37.732	59.339		
ATOM	3322	0	GLU			53.729	37.935	58.127		
ATOM	3323	N	GLN			53.050	36.828	59.957		
ATOM	3324	CA	GLN			52.103	36.010	59.204		
	3325	CB	GLN			51.962	34.639	59.875		
ATOM						53.313	33.951	60.093		
ATOM	3326	CG	GLN					58.783		
MOTA	3327	CD	GLN	Ŗ	134	53.852	33.400	50.103	1.000	50.05

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ATOM	3328	OE1	GLN	В	134	53.182	32.656	58.068		
ATOM	3329	NE2	GLN	В	134	55.080	33.772	58.460	1.000	
ATOM	3330	С	GLN	В	134	50.739	36.668	59.092	1.000	26.45
ATOM	3331	0	GLN	В	134	49.769	36.050	58.640	1.000	25.94
ATOM	3332	N	ASN		135	50.646	37.924	59.510	1.000	
		CA	ASN		135	49.405	38.687	59.374	1.000	
ATOM	3333							57.885		27.21
MOTA	3334	CB	ASN		135	49.089	38.902			
MOTA	3335	CG	ASN		135	49.300	40.369	57.529	1.000	
ATOM	3336		ASN		135	48.353	41.121	57.307	1.000	
ATOM	3337	ND2	ASN	В	135	50.565	40.770	57.500	1.000	36.37
ATOM	3338	С	ASN	В	135	48.223	38.027	60.069	1.000	31.62
ATOM	3339	0	ASN	В	135	47.088	38.019	59.589	1.000	28.84
ATOM	3340	N	VAL	В	136	48.484	37.467	61.246	1.000	27.43
ATOM	3341	CA	VAL		136	47.416	36.859	62.032	1.000	24.98
ATOM	3342	CB	VAL		136	48.035	36.029	63.179		
ATOM	3343	CG1	VAL		136	46.958	35.491	64.102		
			VAL		136	48.887	34.909	62.599	1.000	
ATOM	3344								1.000	
ATOM	3345	С	VAL		136	46.469	37.891	62.619		
MOTA	3346	0	VAL		136	46.875	38.904	63.196		
MOTA	3347	N	HIS			45.165	37.662	62.502		
MOTA	3348	CA	HIS		137	44.208	38.529	63.180		
ATOM	3349	CB	HIS	В	137	43.215	39.124	62.170		
ATOM	3350	CG	HIS	В	137	43.872	40.090	61.240	1.000	35.97
ATOM	3351	ND1	HIS	В	137	43.604	41.435	61.247	1.000	47.37
ATOM	3352	CE1	HIS	В	137	44.338	42.022	60.314	1.000	50.81
ATOM	3353		HIS		137	45.073	41.107	59.706	1.000	44.95
ATOM	3354		HIS		137	44.799	39.891	60.275	1.000	40.02
ATOM	3355	C	HIS		137	43.407	37.801	64.253	1.000	21.29
ATOM	3356	0	HIS		137	42.727	38.467	65.026		
ATOM	3357	N	ASN		138	43.469	36.470	64.274		
ATOM	3358	CA	ASN		138	42.685	35.702	65.233		
ATOM	3359	CB	ASN		138	41.491	35.030	64.534	1.000	
			ASN		138	40.525	36.056	63.968	1.000	
MOTA	3360	CG			138	40.323	36.164	62.750	1.000	
ATOM	3361		ASN							
ATOM	3362		ASN		138	39.869	36.819	64.842		
ATOM	3363	C	ASN		138	43.540	34.655	65.938	1.000	
ATOM	3364	0	ASN		138	44.238	33.895	65.262		
ATOM	3365	N			139	43.462	34.638	67.266		19.79
ATOM	3366	CA	ILE			44.122	33.625	68.077		
MOTA	3367	CB	ILE			45.258	34.217	68.934		
ATOM	3368	CG1	ILE	В	139	46.318	34.945	68.101	1.000	41.20
MOTA	3369	CD1	ILE	В	139	47.149	35.964	68.850		
ATOM	3370	CG2	ILE	В	139	45.900	33.146	69.806	1.000	14.95
ATOM	3371	С	ILE	В	139	43.126	32.902	68.985	1.000	24.46
MOTA	3372	0	ILE			42.278	33.526	69.624	1.000	24.46
ATOM	3373	N	VAL			43.264	31.585	69.008		
MOTA	3374	CA	VAL			42.449	30.644	69.744		
ATOM	3375	CB	VAL			41.747	29.622	68.832		
ATOM	3376		VAL			41.044	28.585	69.698		
						40.773	30.296	67.875		
ATOM	3377		VAL					70.731		
ATOM	3378	С	VAL			43.320	29.857			
MOTA	3379	0	VAL	В	140	44.279	29.223	70.306	1.000	10.12

MOTA	3380	N	MET	В 141	42.990	29.911			26.02
ATOM	3381	CA		В 141	43.681	29.264			26.63
MOTA	3382	CB		В 141	44.180	30.349			21.56
MOTA	3383	CG		B 141	44.895	29.837			23.47
ATOM	3384	SD		B 141	45.830	31.148	76.140	1.000	25.00
ATOM	3385	CE	MET		46.435	30.216			23.28
ATOM	3386	С	MET	B 141	42.749	28.270	73.801	1.000	21.18
ATOM	3387	0	MET	3 141	41.699	28.664	74.320	1.000	21.43
ATOM	3388	N	VAL	3 142	43.079	26.991	73.799	1.000	20.95
ATOM	3389	CA	VAL 1	3 142	42.221	25.959	74.364	1.000	24.30
MOTA	3390	CB	VAL	3 142	41.813	24.856	73.371	1.000	21.57
MOTA	3391	CG1		3 142	40.925	25.432	72.277	1.000	44.18
MOTA	3392	CG2	VAL 1	3 142	43.039	24.197	72.760	1.000	32.97
MOTA	3393	С	VAL I	3 142	42.918	25.273	75.538	1.000	24.63
MOTA	3394	0	VAL 1	3 142	42.870	24.057	75.706	1.000	36.20
MOTA	3395	N	THR I	3 143	43.566	26.104	76.333	1.000	27.52
MOTA	3396	CA	THR I	3 143	44.179	25.667	77.575	1.000	32.61
ATOM	3397	СВ	THR H	3 143	45.641	25.224	77.402	1.000	33.85
MOTA	3398	OG1	THR I	3 143	46.111	24.687	78.647	1.000	32.96
MOTA	3399	CG2	THR I	3 143	46.518	26.417	77.065	1.000	21.18
MOTA	3400	С	THR I	3 143	44.152	26.815	78.577	1.000	28.98
ATOM	3401	0	THR E	3 143	44.172	27.975	78.178	1.000	26.70
ATOM	3402	N	GLN H	3 144	44.115	26.478	79.855	1.000	26.36
ATOM	3403	CA	GLN E	3 144	44.388	27.496	80.868	1.000	31.26
ATOM	3404	CB	GLN E	3 144	43.644	27.201	82.158	1.000	36.91
ATOM	3405	CG	GLN E	3 144	42.161	27.541	82.146	1.000	45.71
MOTA	3406	CD	GLN E	3 144	41.465	27.010	83.387		58.10
MOTA	3407	OE1	GLN E	144	41.528	27.640	84.446	1.000	62.95
MOTA	3408	NE2	GLN E	144	40.807	25.859	83.268	1.000	68.48
MOTA	3409	С	GLN E	144	45.899	27.536	81.085	1.000	30.16
MOTA	3410	0	GLN E	144	46.586	26.558	80.764	1.000	23.48
MOTA	3411	N	CYS E	145	46.426	28.637	81.607	1.000	23.70
MOTA	3412	CA	CYS E	145	47.868	28.723	81.803	1.000	23.35
ATOM	3413	CB	CYS E	145	48.244	30.127	82.276	1.000	17.96
ATOM	3414	SG	CYS E	145	48.066	31.371	80.965	1.000	36.78
ATOM	3415	С	CYS E	145	48.383	27.692	82.799	1.000	29.59
ATOM	3416	0	CYS E	145	49.493	27.168	82.657	1.000	29.74
ATOM	3417	N	VAL E	146	47.547	27.437	83.792	1.000	26.86
ATOM	3418	CA	VAL E	146	47.809	26.499	84.877	1.000	25.79
ATOM	3419	CB	VAL B	146	48.125	27.210	86.202	1.000	30.10
ATOM	3420	CG1	VAL B	146	48.824	26.274	87.179	1.000	28.99
ATOM	3421	CG2	VAL B		48.980	28.443	85.953	1.000	32.92
MOTA	3422	С	VAL B	146	46.606	25.573	85.059	1.000	20.95
MOTA	3423	0	VAL B	146	45.458	25.979	85.215	1.000	28.86
MOTA	3424	N	GLU B	147	46.878	24.288	85.002	1.000	24.41
ATOM	3425	CA	GLU B	147	45.881	23.235	85.161	1.000	40.57
MOTA	3426	CB	GLU B	147	45.538	22.562	83.839		
ATOM	3427	CG	GLU B	147	44.603	23.349	82.943		
ATOM	3428	CD	GLU B	147	44.308	22.690	81.610		
ATOM	3429	OE1	GLU B	147	44.722	21.531	81.403		
ATOM	3430	OE2	GLU B	147	43.653	23.322	80.749		
MOTA	3431	С	GLU B	147	46.496	22.288	86.182		

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ATOM	3432	0	GLU		-	47.457	21.558	85.926		
MOTA	3433	N	LYS	В	148	45.992	22.325	87.419	1.000	
MOTA	3434	CA	LYS	В	148	46.881	21.658	88.390	1.000	54.02
ATOM	3435	CB	LYS	В	148	46.836	22.434	89.703	1.000	46.43
ATOM	3436	CG	LYS	В	148	48.184	23.017	90.088	1.000	42.28
ATOM	3437	CD	LYS	В	148	49.019	23.482	88.921	1.000	48.15
MOTA	3438	CE	LYS	В	148	50.503	23.260	89.180	1.000	46.56
ATOM	3439	NZ	LYS	В	148	51.361	24.153	88.358	1.000	39.33
ATOM	3440	C		В	148	46.554	20.182			54.15
ATOM	3441	0	LYS		148	45.415	19.737	88.387		67.03
ATOM	3442	N	GLY		149	47.628	19.428	88.760	1.000	
ATOM	3443	CA	GLY		149	48.941	20.037	88.892	1.000	
	3444	C	GLY		149	49.697	20.137		1.000	
MOTA							19.100		1.000	
ATOM	3445	0	GLY		149	50.182				67.43
ATOM	3446	N	ARG		150	49.813	21.330			
ATOM	3447	CA	ARG		150	50.589	21.516		1.000	
ATOM	3448	CB	ARG		150	50.037	20.536			77.22
ATOM	3449	CG	ARG		150	50.929	19.341	84.438	1.000	76.56
MOTA	3450	CD	ARG		150	52.223	19.406	85.233		73.15
ATOM	3451	NE	ARG	В	150	53.346	19.893	84.431		71.83
MOTA	3452	CZ	ARG		150	54.098	19.105			75.97
MOTA	3453	NH1	ARG	В	150	53.840	17.803	83.608		77.01
MOTA	3454	NH2	ARG	В	150	55.103	19.611	82.967		68.43
ATOM	3455	С	ARG	В	150	50.600	22.925	85.204	1.000	53.31
ATOM	3456	0	ARG	В	150	49.604	23.442	84.687	1.000	35.27
MOTA	3457	N	VAL	В	151	51.750	23.608	85.234	1.000	34.49
ATOM	3458	CA	VAL	В	151	51.924	24.799	84.411	1.000	38.16
ATOM	3459	СВ	VAL		151	53.297	25.469	84.557	1.000	41.62
ATOM	3460	CG1	VAL		151	53.498	26.491	83.437	1.000	40.64
ATOM	3461		VAL		151	53.471	26.163		1.000	
ATOM	3462	C	VAL		151	51.760	24.387		1.000	
ATOM	3463	0	VAL		151	52.372	23.400		1.000	
ATOM	3464	N	LYS		152	50.959	25.079	82.142		33.45
ATOM	3465	CA	LYS		152	50.754	24.596	80.776		
ATOM	3466	CB			152	49.302	24.144	80.591		34.13
ATOM	3467	CG	LYS		152	48.830	23.155		1.000	
ATOM	3468	CD	LYS		152	49.804	22.001			38.68
ATOM		CE			152	49.120	20.664	81.549		48.80
	3469		LYS		152	50.119	19.577	81.342		
ATOM	3470	NZ						79.729		
MOTA	3471	C	LYS			51.098	25.644	78.584		
ATOM	3472	0	LYS			51.407	25.310			
ATOM	3473	N	CYS			51.049	26.923	80.090		
ATOM	3474	CA	CYS			51.346	27.960	79.093		
ATOM	3475	CB	CYS			50.165	28.100	78.150		
MOTA	3476	SG	CYS			50.211	29.416	76.916		
ATOM	3477	С	CYS			51.678	29.265	79.801		
MOTA	3478	0	CYS			51.084	29.606	80.822		
ATOM	3479	N	ASP			52.637	30.023	79.279		
ATOM	3480	CA	ASP	В	154	52.907	31.332	79.858		
ATOM	3481	СВ	ASP	В	154	54.191	31.929	79.261	1.000	35.82
ATOM	3482		ASP			54.817	32.947	80.200	1.000	41.73
MOTA	3483	OD1	ASP	В	154	56.002	33.296	80.044	1.000	63.43

ATOM	3484	OD2	ASP	В	154	54.104	33.398	81.117	1.000	50.87
ATOM	3485	С	ASP	В	154	51.735	32.287	79.642	1.000	41.87
ATOM	3486	0	ASP	В	154	50.951	32.111	78.703	1.000	33.32
ATOM	3487	N	HIS			51.623	33.296	80.509	1.000	35.60
ATOM	3488	CA	HIS		155	50.654	34.375	80.304	1.000	
							35.059	81.628		
ATOM	3489	CB	HIS		155	50.312		81.526		
MOTA	3490	CG	HIS			49.205	36.062			
ATOM	3491	ND1	HIS			47.930	35.814	82.000		
ATOM	3492	CE1	HIS	В	155	47.168	36.872	81.774		
ATOM	3493	NE2	HIS	В	155	47.903	37.796	81.172		
ATOM	3494	CD2	HIS	В	155	49.182	37.312	81.009	1.000	27.70
MOTA	3495	С	HIS	В	155	51.236	35.374	79.311	1.000	36.71
ATOM	3496	0	HIS	В	155	51.750	36.422	79.691	1.000	42.00
ATOM	3497	N	TYR		156	51.192	35.068	78.016	1.000	29.11
ATOM	3498	CA	TYR		156	52.011	35.820	77.081		
ATOM	3499	CB	TYR			52.303	34.932	75.855		
ATOM	3500	CG	TYR			51.050	34.394	75.208		
			TYR			50.488	35.051	74.120		16.98
ATOM	3501	CD1						73.528		
MOTA	3502	CE1	TYR			49.344	34.554			25.77
ATOM	3503	CZ	TYR			48.745	33.407	73.996		
ATOM	3504	OH	TYR			47.596	32.928	73.387		
ATOM	3505	CE2	TYR		156	49.294	32.745	75.074		
ATOM	3506		TYR			50.439	33.238	75.672		
ATOM	3507	С	TYR			51.409	37.129	76.615		
ATOM	3508	0	TYR	В	156	51.948	37.722	75.673		
MOTA	3509	N	TRP	В	157	50.332	37.596	77.228		
ATOM	3510	CA	TRP	В	157	49.801	38.920	76.885	1.000	30.99
ATOM	3511	CB	TRP	В	157	48.389	38.798	76.324	1.000	35.30
ATOM	3512	CG	TRP	В	157	47.436	38.178	77.304	1.000	37.36
ATOM	3513	CD1	TRP			46.608	38.819	78.180	1.000	32.25
ATOM	3514	NE1	TRP		157	45.897	37.886	78.896	1.000	33.37
ATOM	3515	CE2			157	46.257	36.626	78.495	1.000	24.24
MOTA	3516	CD2	TRP			47.227	36.772	77.488		
ATOM	3517	CE3	TRP		157	47.774	35.630	76.894		32.73
ATOM	3518	CZ3	TRP		157	47.334	34.394	77.324		
	3519	CH2	TRP		157	46.366	34.269		1.000	
ATOM		CZ2				45.819	35.378	78.923		
ATOM	3520		TRP		157	49.806	39.815	78.116		
ATOM	3521	C			157			79.229		
ATOM	3522	0	TRP			50.003	39.308			
MOTA	3523	N	PRO				41.119	77.999		
ATOM	3524	CA	PRO			49.665	41.957	79.206		
ATOM	3525	CB	PRO			49.605	43.384	78.670		
ATOM	3526	CG	PRO			49.779	43.296	77.200		
ATOM	3527	CD	PRO	В	158	49.347	41.916	76.793		
MOTA	3528	С	PRO	В	158	48.468	41.701	80.128		
ATOM	3529	0	PRO	В	158	47.343	41.559	79.645		
MOTA	3530	N	ALA			48.739	41.658	81.422	1.000	68.74
ATOM	3531	CA	ALA			47.823	41.404	82.518	1.000	64.94
ATOM	3532	СВ	ALA			48.387	41.972	83.819		
ATOM	3533	C	ALA			46.428	41.975	82.282		
ATOM	3534	0	ALA			45.468	41.222	82.121		
MOTA	3535	N	ASP			46.330	43.297	82.278		
ATOM	2222	111	UOL	ט	100	40.000	1 . 4 . 7 .	J2.210	1.000	30.01

ATOM	3536	CA	ASP	В	160	45.079	44.010	82.063	1.000	69.30
MOTA	3537	CB	ASP			44.668	44.824	83.286		
MOTA	3538	CG	ASP		160	45.671	44.813	84.417		78.54
ATOM	3539	OD1				46.696	45.535	84.324		
MOTA	3540	OD2			160	45.449	44.083	85.410		
ATOM	3541	С	ASP		160	45.199	44.934	80.850		70.60
ATOM	3542	0	ASP		160	45.922	44.612	79.904	1.000	
ATOM	3543	N	GLN		161	44.503	46.063	80.897		
ATOM	3544	CA	GLN		161	44.460	47.034	79.813		60.98
ATOM	3545	CB	GLN		161	43.341	48.054	80.079		
ATOM	3546	CG	GLN		161	41.977	47.435	80.326		70.82
ATOM	3547	CD OF 1	GLN		161	41.431	46.682	79.129		73.10
MOTA	3548	OE1 NE2	GLN		161	41.858	46.906	77.995		91.18
ATOM	3549 3550	NE2	GLN		161	40.481	45.781	79.367	1.000	
ATOM ATOM	3551	0	GLN GLN		161 161	45.774 45.860	47.770	79.607	1.000	
ATOM	3552	N	ASP		162	46.841	48.713 47.376	78.819 80.294	1.000	
ATOM	3553	CA	ASP		162	48.126	48.048	80.111	1.000	
ATOM	3554	CB	ASP	В	162	49.080	47.691	81.251	1.000	60.81
ATOM	3555	CG	ASP	В	162	49.331	46.204	81.393	1.000	64.03
ATOM	3556	OD1		В	162	48.588	45.415	80.770		73.29
ATOM	3557		ASP		162	50.272	45.829	82.129	1.000	52.70
ATOM	3558	C	ASP		162	48.742	47.700	78.759		
ATOM	3559	0	ASP		162	48.083	47.149	77.874	1.000	
ATOM	3560	N	SER		163	50.014	48.039	78.604	1.000	36.08
ATOM	3561	CA	SER		163	50.763	47.761	77.385	1.000	30.11
ATOM	3562	СВ	SER	В	163	50.905	49.014	76.523	1.000	37.96
ATOM	3563	OG	SER	В	163	51.383	50.101	77.295	1.000	38.12
ATOM	3564	С	SER	В	163	52.141	47.223	77.724	1.000	31.57
MOTA	3565	0	SER	В	163	52.646	47.355	78.838	1.000	35.55
MOTA	3566	N	LEU	В	164	52.776	46.591	76.741	1.000	30.19
ATOM	3567	CA	LEU		164	54.081	46.002	77.023	1.000	21.86
ATOM	3568	CB	LEU		164	53.918	44.691	77.779	1.000	37.42
ATOM	3569	CG	LEU		164	53.641	44.732	79.281	1.000	
ATOM	3570	CD1	LEU		164	53.495	43.319	79.843	1.000	
ATOM	3571	CD2	LEU		164	54.736	45.470	80.031	1.000	
ATOM	3572	С	LEU		164	54.822	45.780	75.715	1.000	27.76
ATOM	3573	0	LEU	В	164	54.201	45.635	74.660	1.000	28.16
ATOM	3574	N	TYR		165	56.150	45.767	75.799	1.000	29.39
ATOM	3575	CA	TYR			56.959	45.469	74.631		
MOTA	3576	CB	TYR			58.338	46.113	74.728		
ATOM	3577 3578	CG	TYR			58.373	47.576	74.362		
ATOM ATOM	3578	CD1 CE1	TYR TYR		165	58.505	47.926	73.022		
ATOM	3580	CZ	TYR		165 165	58.538 58.443	49.248 50.244	72.635 73.581		
ATOM	3581	OH	TYR		165	58.487	51.546	73.331		
ATOM	3582	CE2	TYR		165	58.309	49.930	74.915		
ATOM	3583		TYR		165	58.271	48.594	75.307		
ATOM	3584	C	TYR		165	57.109	43.955	74.503		
ATOM	3585	0	TYR		165	57.195	43.254	75.511		
ATOM	3586	N	TYR		166	57.152	43.472	73.271		
ATOM	3587	CA	TYR			57.498	42.072	73.035		
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ATOM	3588	СВ	TYR	В	166	56.268	41.232	72.710	1.000	29.27
MOTA	3589	CG	TYR	В	166	55.350	41.031	73.899	1.000	32.16
MOTA	3590	CD1	TYR	В	166	55.542	39.987	74.805	1.000	27.15
ATOM	3591	CE1			166	54.689	39.821	75.884		26.48
ATOM	3592	CZ	TYR		166	53.637	40.699	76.065	1.000	31.42
MOTA	3593	ОН	TYR		166	52.780	40.552	77.133	1.000	26.92
ATOM	3594	CE2			166	53.427	41.738	75.182	1.000	25.16
ATOM	3595	CD2			166	54.282	41.897	74.107		30.85
ATOM	3596	С	TYR		166	58.533	42.065	71.926		
ATOM	3597	0	TYR		166	58.221	42.038	70.746		
ATOM	3598	N	GLY		167	59.815	42.124	72.303		
ATOM	3599	CA	GLY		167	60.795	42.293	71.225		
ATOM	3600	C	GLY		167	60.629	43.677	70.620		
ATOM	3601	0	GLY		167	60.636	44.683	71.340		
ATOM	3602	N	ASP		168	60.475	43.757	69.302		
ATOM ATOM	3603 3604	CA CB	ASP ASP	B B	168 168	60.388	45.070	68.660		
ATOM	3605	CG	ASP	В	168	61.050	45.062	67.282		
ATOM	3606	OD1		В	168	62.559 63.059	44.932 45.103	67.417 68.550	1.000	44.29
ATOM	3607		ASP	В	168	63.238	44.655	66.411	1.000	70.44 63.44
ATOM	3608	C	ASP	В	168	58.935	45.510	68.551		32.07
ATOM	3609	0	ASP	В	168	58.619	46.594	68.076	1.000	32.90
ATOM	3610	N	LEU		169	58.073	44.613	69.025	1.000	29.35
ATOM	3611	CA	LEU		169	56.648	44.870	68.984	1.000	33.24
ATOM	3612	СВ	LEU		169	55.877	43.576	68.686	1.000	30.90
ATOM	3613	CG	LEU		169	56.205	42.932	67.336	1.000	32.40
ATOM	3614	CD1			169	55.292	41.738	67.129	1.000	26.83
ATOM	3615	CD2		В	169	56.082	43.955	66.219	1.000	27.58
MOTA	3616	С	LEU	В	169	56.111	45.433	70.294	1.000	32.00
ATOM	3617	0	LEU	В	169	56.642	45.147	71.365	1.000	27.18
ATOM	3618	N	ILE	В	170	55.042	46.205	70.127	1.000	23.43
ATOM	3619	CA	ILE	В	170	54.297	46.711	71.263	1.000	37.97
MOTA	3620	CB	ILE		170	54.333	48.242	71.369	1.000	44.96
ATOM	3621	CG1	ILE		170	53.206	48.832	72.219	1.000	51.13
MOTA	3622	CD1	ILE		170	53.662	49.989	73.089	1.000	79.46
ATOM	3623	CG2	ILE		170	54.345	48.876	69.991	1.000	56.59
ATOM	3624	С	ILE		170	52.851	46.228	71.147		36.98
ATOM	3625	0		В	170	52.247	46.337	70.083	1.000	29.48
ATOM	3626	N	LEU		171	52.367	45.700	72.258	1.000	37.92
ATOM	3627	CA	LEU			51.015	45.200	72.405		
ATOM	3628	CB	LEU		171	51.037	43.709	72.767		
ATOM	3629	CG	LEU			50.043	42.860	71.971		
ATOM	3630		LEU			50.694	41.558	71.563		
ATOM ATOM	3631 3632		LEU			48.783	42.619	72.784		
ATOM	3633	C 0	LEU LEU			50.235	45.939			37.92
ATOM	3634	N	GLN			50.744	46.261			41.84
ATOM	3635	CA	GLN			48.962 48.132	46.207 46.767	73.191 74.257	1.000	33.26
ATOM	3636	CB	GLN			47.929	48.272	74.257		
ATOM	3637	CG	GLN			46.841	48.669	73.123		
ATOM	3638	CD	GLN			46.760	50.170	72.905		
ATOM	3639		GLN			47.004	50.675	71.809		
			2711	_	- , -	11.004	50.075	, 1.003	1.000	55.50

MOTA	3640	NE2	GLN	В	172	46.410	50.886	73.963		
ATOM	3641	С	GLN	В	172	46.800	46.028	74.274		36.46
MOTA	3642	0	GLN	В	172	46.205	45.820	73.214	1.000	30.33
ATOM	3643	N	MET	В	173	46.349	45.629	75.460	1.000	34.57
ATOM	3644	CA	MET	В	173	45.024	45.020	75.526	1.000	37.82
ATOM	3645	CB	MET	В	173	44.827	44.177	76.786	1.000	44.70
ATOM	3646	CG	MET	В	173	43.371	44.165	77.243	1.000	48.88
ATOM	3647	SD	MET	В	173	43.091	43.051	78.637	1.000	61.82
ATOM	3648	CE		В	173	43.023	41.490	77.765	1.000	30.24
ATOM	3649	С		В	173	43.960	46.115	75.496		37.98
ATOM	3650	0		В	173	43.913	46.968	76.387		50.74
ATOM	3651	N	LEU		174	43.116	46.087	74.476		39.28
ATOM	3652	CA	LEU		174	42.041	47.069	74.379		40.72
ATOM	3653	CB	LEU		174	41.705	47.353	72.911		40.97
ATOM	3654	CG	LEU		174	42.894	47.860	72.084		48.67
ATOM	3655	CD1	LEU		174	42.466	48.190	70.666		63.07
		CD2	LEU		174	43.524	49.058	72.778		40.09
ATOM	3656				174			75.113		37.13
ATOM	3657	C	LEU			40.794	46.608			
ATOM	3658	0	LEU		174	39.994	47.450	75.515		41.98
ATOM	3659	N	SER		175	40.613	45.295	75.288	1.000	36.81
ATOM	3660	CA	SER		175	39.379	44.856	75.936		37.02
ATOM	3661	СВ	SER		175	38.204	45.077	74.978	1.000	39.53
MOTA	3662	OG	SER		175	38.164	44.075	73.975	1.000	60.16
MOTA	3663	С	SER		175	39.419	43.397	76.372		43.07
ATOM	3664	0	SER		175	40.144	42.583	75.801		35.52
MOTA	3665	N	GLU		176	38.616	43.077	77.387	1.000	36.53
MOTA	3666	CA	GLU	В	176	38.525	41.721	77.899	1.000	37.42
MOTA	3667	CB	GLU	В	176	39.524	41.528	79.050		29.90
MOTA	3668	CG	GLU	В	176	39.524	40.101	79.570		36.55
MOTA	3669	CD	GLU	В	176	40.377	39.924	80.806	1.000	41.20
MOTA	3670	OE1	GLU	В	176	39.808	39.980	81.913	1.000	65.49
MOTA	3671	OE2	GLU	В	176	41.602	39.726	80.667	1.000	51.95
MOTA	3672	С	GLU	В	176	37.120	41.366	78.371	1.000	42.69
ATOM	3673	0	GLU	В	176	36.658	41.868	79.400	1.000	44.27
MOTA	3674	N	SER	В	177	36.434	40.496	77.627	1.000	39.90
MOTA	3675	CA	SER	В	177	35.073	40.107	77.983	1.000	35.04
MOTA	3676	CB	SER	В	177	34.101	40.295	76.816	1.000	36.67
MOTA	3677	OG	SER	В	177	34.475	41.395	76.007	1.000	52.82
ATOM	3678	C	SER	В	177	35.030	38.658	78.448	1.000	41.90
ATOM	3679	0	SER	В	177	35.160	37.715	77.669	1.000	42.75
ATOM	3680	N	VAL			34.840	38.482	79.750		
ATOM	3681	CA	VAL			34.819	37.128	80.295		
ATOM	3682	СВ	VAL			35.272	37.144	81.768		
ATOM	3683		VAL			35.518	35.735	82.276		
ATOM	3684		VAL		178	36.520	38.006	81.909		
ATOM	3685	C	VAL			33.439	36.509	80.163		
ATOM	3686	0	VAL			32.445	37.037	80.659		
ATOM	3687	N	LEU		179	33.372	35.372	79.478		
ATOM	3688	CA	LEU		179	32.098	34.653	79.362		
ATOM	3689	CB	LEU		179	31.753	34.401	77.900		37.56
	3690					30.892	35.472	77.222		
ATOM		CG CD1	LEU		179					
ATOM	3691	CDI	LEU	Þ	119	30.991	36.805	77.946	1.000	33.74

7 III OM	2602	CD3	TETT	ъ	170	31.286	35.631	75.766	1 000	47.05
ATOM	3692	CD2	LEU		179					
ATOM	3693	С	LEU		179	32.206	33.383	80.189		30.01
MOTA	3694	0	LEU		179	33.317	33.035	80.611	1.000	33.11
MOTA	3695	N	PRO	В	180	31.108	32.694	80.467	1.000	44.43
MOTA	3696	CA	PRO	В	180	31.210	31.516	81.345	1.000	49.89
MOTA	3697	CB	PRO	В	180	29.766	31.004	81.441	1.000	47.48
MOTA	3698	CG	PRO	В	180	28.932	32.194	81.096	1.000	47.96
ATOM	3699	CD	PRO		180	29.720	32.929	80.038	1.000	48.96
ATOM	3700	C	PRO		180	32.130	30.439	80.793	1.000	43.82
ATOM	3701	0	PRO		180	32.877	29.834	81.569	1.000	44.36
ATOM	3702	N	GLU		181	32.144	30.139	79.492	1.000	
ATOM	3703	CA	GLU		181	33.041	29.044	79.095	1.000	41.65
ATOM	3703		GLU		181	32.305	28.017	78.245		42.17
		CB								46.96
ATOM	3705	CG	GLU		181	31.191	27.274	78.964	1.000	
MOTA	3706	CD	GLU		181	30.000	27.055	78.047		47.94
MOTA	3707	OE1	GLU		181	29.114	27.932	78.017		66.99
MOTA	3708		GLU		181	29.958	26.017	77.358		66.16
MOTA	3709	С	GLU		181	34.270	29.552	78.353	1.000	42.89
MOTA	3710	0	GLU	В	181	35.211	28.790	78.114	1.000	45.33
MOTA	3711	N	TRP	В	182	34.287	30.831	77.987	1.000	38.96
MOTA	3712	CA	TRP	В	182	35.473	31.378	77.343	1.000	34.57
MOTA	3,713	CB	TRP	В	182	35.493	31.021	75.853	1.000	34.24
ATOM	3714	CG	TRP	В	182	34.289	31.453	75.078	1.000	31.49
ATOM	3715	CD1	TRP	В	182	34.055	32.679	74.531	1.000	33.21
ATOM	3716	NE1	TRP	В	182	32.839	32.683	73.891	1.000	30.07
ATOM	3717	CE2		В	182	32.258	31.451	74.014	1.000	24.47
ATOM	3718	CD2		В	182	33.145	30.644	74.755	1.000	36.54
ATOM	3719	CE3		В	182	32.793	29.317	75.030		38.44
ATOM	3720	CZ3		В	182	31.582	28.837	74.562		36.86
ATOM	3721	CH2		В	182	30.725	29.670	73.827	1.000	32.83
ATOM	3722	CZ2		В	182	31.038	30.971	73.543	1.000	25.32
ATOM	3723	C	TRP		182	35.581	32.890	77.481		29.73
ATOM	3724	0	TRP		182	34.637	33.609	77.802		34.04
ATOM	3725	N	THR		183	36.786	33.370			19.61
			THR			37.043		77.245	1.000	24.25
MOTA	3726	CA			183		34.808			
MOTA	3727	CB	THR		183	38.106	35.096	78.329	1.000	
ATOM	3728	OG1	THR		183	37.562	34.709	79.589	1.000	35.93
ATOM	3729	CG2	THR		183	38.446	36.570	78.408	1.000	27.17
MOTA	3730	С	THR			37.539	35.333	75.910	1.000	
ATOM	3731	0	THR			38.454	34.749	75.312		
ATOM	3732	N	ILE			36.966	36.423	75.422		
ATOM	3733	CA	ILE			37.472	37.068	74.208		
ATOM	3734	CB	ILE	В	184	36.341	37.420	73.235		
ATOM	3735	CG1	ILE	В	184	35.592	36.198	72.681		
MOTA	3736	CD1	ILE	В	184	34.154	36.545	72.341	1.000	36.57
ATOM	3737	CG2	ILE	В	184	36.819	38.293	72.087	1.000	18.36
ATOM	3738	С	ILE	В	184	38.232	38.333	74.580	1.000	31.53
ATOM	3739	0	ILE		184	37.781	39.186	75.345		
ATOM	3740	N	ARG		185	39.437	38.501	74.043		
ATOM	3741	CA	ARG		185	40.147	39.754	74.292		
ATOM	3742	CB	ARG		185	41.417	39.538	75.100		
ATOM	3743	CG	ARG			41.209	39.034	76.522		
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ATOM	3744	CD	ARG E	185	42.403	38.222	76.976	1.000	25.65
ATOM	3745	NE	ARG E	185	42.343	37.791	78.364	1.000	21.83
ATOM	3746	CZ	ARG E	185	42.092	36.551	78.753	1.000	23.41
ATOM	3747	NH1	ARG E	185	41.864	35.591	77.867	1.000	20.48
ATOM	3748	NH2	ARG E		42.064	36.264	80.047		23.08
ATOM	3749	С	ARG E		40.474	40.399	72.952		34.69
ATOM	3750	0	ARG E		40.557	39.744	71.909	1.000	
ATOM	3751	N	GLU E		40.657	41.714	72.993	1.000	
ATOM	3752	CA	GLU E		41.104	42.376	71.771	1.000	
ATOM	3753	CB	GLU E		40.003	43.261	71.200		27.97
ATOM	3754	CG	GLU E		38.651	42.555	71.232	1.000	
ATOM	3755	CD	GLU E		37.530	43.456	70.746		52.48
ATOM	3756	OE1	GLU E		37.819	44.357	69.928	1.000	
ATOM	3757	OE2	GLU E		36.378	43.243	71.180	1.000	77.37
ATOM	3758	C	GLU E		42.373	43.243	72.110	1.000	
ATOM	3759	0	GLU E		42.405	43.798	73.154	1.000	
ATOM	3760	N	PHE E		43.349	43.031	71.236	1.000	
ATOM	3761	CA	PHE B		44.651	43.643	71.332	1.000	
ATOM	3762	CB	PHE B		45.761	42.599	71.472		23.26
ATOM	3763	CG	PHE B		45.580	41.563	72.546	1.000	30.99
ATOM	3764	CD1	PHE B		45.238	40.260	72.244	1.000	27.35
ATOM	3765	CE1	PHE B		45.074	39.304	73.230	1.000	20.96
MOTA	3766	CZ	PHE B		45.244	39.654	74.558	1.000	
MOTA	3767	CE2	PHE B		45.589	40.951	74.882	1.000	
MOTA	3768	CD2	PHE B		45.760	41.891	73.884		33.33
ATOM	3769	С	PHE B		44.937	44.474	70.079	1.000	32.36
ATOM	3770	0	PHE B		44.466	44.149	68.989		24.82
MOTA	3771	N	LYS B		45.731	45.502	70.304	1.000	33.51
MOTA	3772	CA	LYS B		46.366	46.294	69.265	1.000	39.34
MOTA	3773	СВ	LYS B		46.107	47.786	69.445		52.27
ATOM	3774	CG	LYS B	188	47.360	48.631	69.623		65.67
ATOM	3775	CD	LYS B		47.208	49.980	68.916	1.000	71.88
MOTA	3776	CE	LYS B	188	48.299	50.947	69.345	1.000	76.68
ATOM	3777	NZ	LYS B	188	48.492	52.055	68.375	1.000	77.91
MOTA	3778	С	LYS B	188	47.867	46.005	69.285	1.000	31.64
MOTA	3779	0	LYS B	188	48.496	46.016	70.345	1.000	31.25
ATOM	3780	N	ILE B	189	48.432	45.740	68.110	1.000	25.97
MOTA	3781	CA	ILE B	189	49.869	45.521	68.045	1.000	32.80
MOTA	3782	CB	ILE B		50.247	44.098	67.612	1.000	38.71
MOTA	3783	CG1	ILE B		49.093	43.327	66.974		
ATOM	3784	CD1	ILE B	189	48.715	43.822	65.594	1.000	39.76
ATOM	3785	CG2	ILE B	189	50.838	43.337	68.787	1.000	53.93
MOTA	3786	С	ILE B	189	50.485	46.515	67.066	1.000	33.72
MOTA	3787	0	ILE B	189	49.888	46.777	66.022	1.000	37.58
ATOM	3788	N	CYS B	190	51.648	47.022	67.450	1.000	30.23
MOTA	3789	CA	CYS B	190	52.400	47.934	66.602	1.000	40.89
MOTA	3790	CB	CYS B		52.596	49.307	67.233	1.000	42.64
ATOM	3791	SG	CYS B	190	51.150	50.118	67.926		
MOTA	3792	С	CYS B	190	53.775	47.334	66.282	1.000	44.57
ATOM	3793	0	CYS B	190	54.446	46.804	67.173		
MOTA	3794	N	GLY B	191	54.140	47.444	65.011		
MOTA	3795	CA	GLY B	191	55.407	46.950	64.504	1.000	43.85

ATOM	3796	С	GLY		191	56.063	48.026	63.654 1.000 51.14
MOTA	3797	0	GLY	В	191	55.515	49.122	63.561 1.000 44.72
ATOM	3798	N	GLU	В	192	57.206	47.732	63.051 1.000 65.39
MOTA	3799	CA	GLU	В	192	57.917	48.729	62.251 1.000 74.92
ATOM	3800	CB	GLU	В	192	59.164	48.118	61.620 1.000 80.08
MOTA	3801	CG	GLU	В	192	59.486	46.705	62.068 1.000 89.69
ATOM	3802	CD	GLU	В	192	60.187	46.619	63.406 1.000 99.45
ATOM	3803	OE1	GLU	В	192	59.909	45.653	64.155 1.000109.46
ATOM	3804	OE2	GLU	В	192	61.017	47.500	63.734 1.000105.75
ATOM	3805	С	GLU		192	56.982	49.325	61.190 1.000 77.53
ATOM	3806	0	GLU		192	57.093	50.520	60.921 1.000 71.90
ATOM	3807	N	GLU		193	56.119	48.468	60.689 1.000 80.23
ATOM	3808	CA	GLU		193	55.037	48.642	59.748 1.000 85.66
ATOM	3809	СВ	GLU		193	54.717	50.116	59.508 1.000 94.37
ATOM	3810	CG	GLU		193	53.928	50.436	58.253 1.000106.40
ATOM	3811	CD	GLU		193	52.595	49.734	58.174 1.000115.65
ATOM	3812	OE1			193	51.537	50.403	58.158 1.000130.32
ATOM	3813	OE2			193	52.613	48.478	58.138 1.000120.48
ATOM	3814	C	GLU		193	55.364	47.949	58.424 1.000 90.24
ATOM	3815	0	GLU		193	56.248	48.389	57.684 1.000 99.18
ATOM	3816	N	GLN		194	54.652	46.858	58.146 1.000 94.55
ATOM	3817	CA	GLN		194	54.801		56.892 1.000 99.07
						55.799	46.130	
ATOM ATOM	3818	CB	GLN		194		44.984	57.030 1.000 99.47
	3819	CG	GLN		194	56.655	45.014	58.284 1.000 99.46
ATOM ATOM	3820 3821	CD OE1	GLN GLN		194 194	58.097	44.616	58.010 1.000 96.93
	3822	NE2				58.678	44.953	56.977 1.000 92.58 58.944 1.000 90.47
ATOM					194	58.682	43.863	
ATOM	3823	C			194	53.449	45.595	56.413 1.000102.41
ATOM	3824	O		В	194	53.158	44.410	56.574 1.000106.43
ATOM ATOM	3825 3826	N CA	LEU LEU	В	195 195	52.649	46.481	55.833 1.000102.43
ATOM	3827	CB				51.322	46.214	55.301 1.000100.78
ATOM	3828	CG	LEU		195	51.291	44.888	54.539 1.000 96.19
		CD1	LEU		195	51.096	44.962	53.021 1.000 88.64
ATOM	3829	CD1	LEU LEU		195	51.473	46.333	52.484 1.000 68.61
ATOM	3830				195	51.917	43.868	52.320 1.000 77.73
ATOM ATOM	3831 3832	C 0	LEU LEU	В	195 195	50.270	46.236	56.412 1.000101.84
ATOM	3833			В	196	49.132	45.812 46.740	56.210 1.000107.43
ATOM	3834	N CA	ASP ASP		196	50.667 49.834	46.740	57.570 1.000100.14 58.754 1.000 95.50
	3835					49.854		
ATOM ATOM	3836	CB	ASP				45.605	59.253 1.000 93.87 60.049 1.000 86.73
ATOM	3837	CG	ASP		196	50.159 51.251	44.699	
			ASP		196	49.770	44.300	59.589 1.000 56.18
ATOM	3838		ASP		196		44.325	61.183 1.000 68.86
ATOM	3839 3840	C	ASP		196	50.665	47.613	59.833 1.000 91.65
ATOM		0	ASP		196	51.757	47.144	60.157 1.000 97.39
ATOM	3841	N	ALA		197	50.175	48.732	60.358 1.000 87.23
ATOM	3842	CA	ALA			50.971	49.522	61.291 1.000 84.73
ATOM	3843	СВ	ALA			51.043	50.971	60.832 1.000 82.95
ATOM	3844	C	ALA			50.426	49.456	62.716 1.000 82.50
ATOM	3845	0	ALA			51.192	49.650	63.662 1.000 66.61
ATOM	3846	N	HIS			49.132	49.213	62.833 1.000 82.67
ATOM	3847	CA	HIS	В	198	48.373	49.029	64.057 1.000 77.93

ATOM 3848 CB HIS B 198											
ATOM	ATOM	3848	CB	HIS	В		47.927	50.338	64.697	1.000	77.67
ATOM 3851 CE1 HIS B 198	ATOM	3849	CG	HIS	В	198	48.200	51.573	63.899	1.000	84.79
ATOM 3852 NE2 HIS B 198	ATOM	3850	ND1	HIS	В	198	47.669	51.785	62.645	1.000	86.88
ATOM 3852 NE2 HIS B 198	ATOM	3851	CE1	HIS	В	198	48.085	52.952	62.182	1.000	88.81
ATOM 3854 CD HIS B 198	ATOM	3852	NE2	HIS	В	198					
ATOM 3855 C HIS B 198 47.141 48.164 63.752 1.000 75.55 ATOM 3855 N HIS B 198 46.055 48.678 63.493 1.000 63.26 ATOM 3856 N ARG B 199 47.365 46.860 63.783 1.000 63.26 ATOM 3857 CA ARG B 199 46.380 45.839 63.475 1.000 55.42 ATOM 3858 CB ARG B 199 46.380 45.839 63.475 1.000 55.42 ATOM 3859 CB ARG B 199 46.181 43.423 62.663 1.000 47.99 ATOM 3860 CD ARG B 199 46.961 42.174 62.308 1.000 37.39 ATOM 3861 NE ARG B 199 46.961 42.174 62.308 1.000 37.39 ATOM 3862 CZ ARG B 199 49.171 40.475 62.308 1.000 37.39 ATOM 3862 CZ ARG B 199 49.171 40.475 62.398 1.000 20.33 ATOM 3864 NH1 ARG B 199 49.171 40.475 62.398 1.000 20.33 ATOM 3865 C ARG B 199 46.861 41.875 61.018 1.000 25.11 ATOM 3866 C ARG B 199 46.811 45.353 65.817 1.000 40.98 ATOM 3866 C ARG B 199 46.181 45.353 65.817 1.000 40.98 ATOM 3867 N LEU B 200 44.361 45.010 64.551 1.000 37.89 ATOM 3868 CA LEU B 200 42.096 41.866 65.560 1.000 37.89 ATOM 3870 CG LEU B 200 41.296 45.146 66.831 1.000 47.74 ATOM 3871 CDI LEU B 200 41.296 45.146 66.831 1.000 47.74 ATOM 3871 CDI LEU B 200 41.394 66.831 67.801 1.000 37.89 ATOM 3872 CDZ LEU B 200 41.794 46.411 67.514 1.000 35.68 ATOM 3873 C LEU B 200 41.794 46.411 67.514 1.000 35.08 ATOM 3873 C LEU B 200 43.563 42.331 64.706 1.000 37.89 ATOM 3874 C LEU B 200 43.563 42.331 64.706 1.000 37.89 ATOM 3875 N LLE B 201 43.977 42.991 65.738 1.000 29.95 ATOM 3876 CR LEU B 201 43.977 42.991 65.738 1.000 29.95 ATOM 3876 CR LEU B 201 43.977 42.894 66.938 1.000 29.95 ATOM 3878 CGI LLE B 201 45.314 40.531 67.770 1.000 25.47 ATOM 3878 CGI LLE B 201 45.514 40.531 67.770 1.000 25.47 ATOM 3878 CGI LLE B 201 45.514 40.531 67.770 1.000 25.78 ATOM 3884 CA ARG B 202 38.587 39.177 67.991 1.000 24.98 ATOM 3880 CG2 LLE B 201 45.271 39.009 67.912 1.000 24.96 ATOM 3881 C C LLE B 201 45.271 39.009 67.912 1.000 25.30 ATOM 3881 C C ARG B 202 38.696 41.057 67.915 1.000 25.80 ATOM 3880 CG2 LLE B 201 45.271 39.009 67.912 1.000 25.30 ATOM 3880 CG2 LLE B 201 45.271 39.009 67.912 1.000 25.30 ATOM 3881 C C ARG B 202 38.696 41.057 67.915 1.000 25.50 ATOM 3881 C C ARG B 202 38.6											
ATOM 3855 O HIS B 198											
ATOM 3856 N ARG B 199											
ATOM 3858 CB ARG B 199											
ATOM 3858 CB ARG B 199											
ATOM 3860 CD ARG B 199											
ATOM 3860 CD ARG B 199											
ATOM 3861 NE ARG B 199											
ATOM 3862 CZ ARG B 199											
ATOM 3863 NH1 ARG B 199											
ATOM 3864 NH2 ARG B 199											
ATOM 3865 C ARG B 199											
ATOM 3866 O ARG B 199	ATOM										
ATOM 3867 N LEU B 200 44.361 45.010 64.551 1.000 35.65 ATOM 3868 CA LEU B 200 43.571 44.511 65.672 1.000 34.82 ATOM 3869 CB LEU B 200 42.096 44.866 65.560 1.000 37.89 ATOM 3870 CG LEU B 200 41.296 45.146 66.831 1.000 47.74 ATOM 3871 CD1 LEU B 200 41.296 45.146 66.831 1.000 44.43 ATOM 3872 CD2 LEU B 200 41.794 46.411 67.514 1.000 55.08 ATOM 3873 C LEU B 200 43.707 42.991 65.738 1.000 36.55 ATOM 3874 O LEU B 200 43.563 42.331 64.706 1.000 39.15 ATOM 3875 N LLE B 201 43.977 42.484 66.938 1.000 29.95 ATOM 3876 CA ILE B 201 44.033 41.033 67.101 1.000 25.47 ATOM 3877 CB ILE B 201 45.314 40.531 67.770 1.000 25.78 ATOM 3878 CGI ILE B 201 46.743 40.486 65.660 1.000 24.11 ATOM 3879 CDI ILE B 201 46.743 40.486 65.660 1.000 22.88 ATOM 3880 CG2 ILE B 201 45.271 39.009 67.912 1.000 24.11 ATOM 3881 C ILE B 201 42.824 40.609 67.935 1.000 25.30 ATOM 3883 N ARG B 202 42.229 39.478 67.597 1.000 29.04 ATOM 3883 N ARG B 202 42.229 39.478 67.597 1.000 29.04 ATOM 3885 CB ARG B 202 42.229 39.928 38.698 67.421 1.000 32.44 ATOM 3887 CD ARG B 202 38.587 39.177 67.941 1.000 32.44 ATOM 3888 NE ARG B 202 38.587 39.177 67.941 1.000 32.44 ATOM 3889 NE ARG B 202 36.996 41.057 67.815 1.000 62.80 ATOM 3889 NH1 ARG B 202 37.410 43.184 67.004 1.000 62.80 ATOM 3893 N ARG B 202 37.410 43.184 67.004 1.000 62.80 ATOM 3893 N ARG B 202 37.410 43.184 67.004 1.000 62.80 ATOM 3893 N ARG B 202 37.410 43.184 67.004 1.000 62.80 ATOM 3893 N ARG B 202 37.410 43.184 67.004 1.000 62.80 ATOM 3893 N ARG B 202 41.552 37.621 69.013 1.000 24.66 ATOM 3893 N ARG B 202 41.552 37.621 69.013 1.000 24.66 ATOM 3893 N ARG B 202 41.552 37.621 69.013 1.000 24.66 ATOM 3893 N ARG B 202 41.552 37.621 69.013 1.000 24.66 ATOM 3893 N ARG B 202 41.976 36.706 68.299 1.000 31.26 ATOM 3895 CA HIS B 203 41.976 36.706 68.299 1.000 24.65 ATOM 3895 CA HIS B 203 41.976 36.706 68.299 1.000 24.65 ATOM 3895 CA HIS B 203 41.976 36.706 68.299 1.000 23.50 ATOM 3895 CA HIS B 203 41.974 35.754 72.047 1.000 23.50 ATOM 3895 CA HIS B 203 43.762 35.711 72.798 1.000 26.59 ATOM 3898 NDI HIS B 203 43.762 35	MOTA	3865	С							1.000	43.83
ATOM 3868 CA LEU B 200	MOTA		0	ARG	В	199	46.181	45.353	65.817	1.000	40.98
ATOM 3870 CG LEU B 200 41.296 44.866 65.560 1.000 37.89 ATOM 3870 CG LEU B 200 41.296 45.146 66.831 1.000 47.74 ATOM 3871 CD1 LEU B 200 41.794 46.411 67.514 1.000 55.08 ATOM 3872 CD2 LEU B 200 41.794 46.411 67.514 1.000 55.08 ATOM 3873 C LEU B 200 43.707 42.991 65.738 1.000 36.55 ATOM 3874 O LEU B 200 43.563 42.331 64.706 1.000 39.15 ATOM 3875 N ILE B 201 43.977 42.484 66.938 1.000 29.95 ATOM 3876 CA ILE B 201 44.033 41.033 67.101 1.000 25.47 ATOM 3877 CB ILE B 201 45.314 40.531 67.770 1.000 25.47 ATOM 3878 CG1 ILE B 201 46.630 40.929 67.102 1.000 24.11 ATOM 3879 CD1 ILE B 201 46.630 40.929 67.102 1.000 22.88 ATOM 3880 CG2 ILE B 201 45.271 39.009 67.912 1.000 28.86 ATOM 3882 C ILE B 201 42.424 40.609 67.935 1.000 25.30 ATOM 3883 N ARG B 202 42.229 39.478 67.597 1.000 29.04 ATOM 3884 CA ARG B 202 42.429 39.478 67.597 1.000 29.04 ATOM 3885 CB ARG B 202 39.928 38.698 67.421 1.000 32.44 ATOM 3887 CD ARG B 202 39.928 38.698 67.421 1.000 32.49 ATOM 3888 NE ARG B 202 39.928 38.698 67.421 1.000 32.49 ATOM 3889 CZ ARG B 202 36.996 41.057 67.815 1.000 62.80 ATOM 3889 CZ ARG B 202 36.996 41.057 67.815 1.000 62.80 ATOM 3890 NH1 ARG B 202 36.996 41.057 67.815 1.000 62.80 ATOM 3891 NH2 ARG B 202 36.996 41.057 67.815 1.000 62.80 ATOM 3892 C ARG B 202 36.709 42.345 67.754 1.000 72.90 ATOM 3893 N HIS B 203 41.552 37.621 69.013 1.000 27.13 ATOM 3894 N HIS B 203 41.479 37.532 70.330 1.000 19.54 ATOM 3895 CA HIS B 203 41.976 36.706 68.299 1.000 31.26 ATOM 3897 CG HIS B 203 43.264 35.062 73.902 1.000 25.59 ATOM 3898 ND1 HIS B 203 43.264 35.062 73.902 1.000 25.59	ATOM	3867	N	LEU	В	200	44.361	45.010	64.551	1.000	35.65
ATOM 3870 CG LEU B 200 41.296 45.146 66.831 1.000 47.74 ATOM 3871 CD1 LEU B 200 41.329 43.974 67.800 1.000 44.43 ATOM 3872 CD2 LEU B 200 41.794 46.411 67.514 1.000 55.08 ATOM 3873 C LEU B 200 43.707 42.991 65.738 1.000 36.55 ATOM 3874 O LEU B 200 43.563 42.331 64.706 1.000 39.15 ATOM 3875 N ILE B 201 43.977 42.484 66.938 1.000 29.95 ATOM 3876 CA ILE B 201 44.033 41.033 67.101 1.000 25.47 ATOM 3877 CB ILE B 201 45.314 40.531 67.770 1.000 25.78 ATOM 3878 CG1 ILE B 201 46.630 40.929 67.102 1.000 24.11 ATOM 3879 CD1 ILE B 201 46.743 40.486 65.660 1.000 22.88 ATOM 3880 CG2 ILE B 201 45.271 39.009 67.912 1.000 25.30 ATOM 3881 C ILE B 201 42.468 41.326 68.864 1.000 36.64 ATOM 3883 N ARG B 202 42.229 39.478 67.597 1.000 29.04 ATOM 3885 CB ARG B 202 42.229 39.478 67.597 1.000 29.04 ATOM 3886 CG ARG B 202 38.587 39.177 67.941 1.000 32.44 ATOM 3887 CD ARG B 202 38.587 39.177 67.941 1.000 32.44 ATOM 3888 NE ARG B 202 38.968 67.421 1.000 32.44 ATOM 3888 NE ARG B 202 38.587 39.177 67.941 1.000 32.49 ATOM 3889 CZ ARG B 202 36.996 41.057 67.815 1.000 62.80 ATOM 3891 NH1 ARG B 202 37.410 43.184 67.004 1.000 72.90 ATOM 3893 O ARG B 202 37.410 43.184 67.004 1.000 72.90 ATOM 3894 N HIS B 203 41.552 37.621 69.013 1.000 24.66 ATOM 3895 CB HIS B 203 43.762 35.711 72.798 1.000 27.13 ATOM 3896 CB HIS B 203 43.762 35.711 72.798 1.000 27.13 ATOM 3897 CG HIS B 203 43.762 35.711 72.798 1.000 26.59 ATOM 3898 ND1 HIS B 203 43.762 35.711 72.798 1.000 26.59	MOTA	3868	CA	LEU	В	200	43.571	44.511	65.672	1.000	34.82
ATOM 3871 CD1 LEU B 200 41.329 43.974 67.800 1.000 44.43 ATOM 3872 CD2 LEU B 200 41.794 46.411 67.514 1.000 55.08 ATOM 3873 C LEU B 200 43.707 42.991 65.738 1.000 36.55 ATOM 3874 O LEU B 200 43.563 42.331 64.706 1.000 39.15 ATOM 3875 N ILE B 201 43.977 42.484 66.938 1.000 29.95 ATOM 3876 CA ILE B 201 44.033 41.033 67.101 1.000 25.47 ATOM 3877 CB ILE B 201 45.314 40.531 67.770 1.000 25.78 ATOM 3878 CG1 ILE B 201 46.630 40.929 67.102 1.000 24.11 ATOM 3879 CD1 ILE B 201 46.630 40.929 67.102 1.000 24.11 ATOM 3880 CG2 ILE B 201 45.271 39.009 67.912 1.000 28.86 ATOM 3881 C ILE B 201 42.824 40.609 67.935 1.000 25.30 ATOM 3882 O ILE B 201 42.824 40.609 67.935 1.000 25.30 ATOM 3883 N ARG B 202 42.229 39.478 67.597 1.000 29.04 ATOM 3884 CA ARG B 202 42.229 39.478 67.597 1.000 29.04 ATOM 3886 CG ARG B 202 39.928 38.698 67.421 1.000 32.44 ATOM 3886 CG ARG B 202 38.587 39.177 67.941 1.000 32.44 ATOM 3888 NE ARG B 202 38.587 39.177 67.941 1.000 32.44 ATOM 3888 NE ARG B 202 36.996 41.057 67.815 1.000 62.80 ATOM 3899 CZ ARG B 202 36.996 41.057 67.815 1.000 62.80 ATOM 3891 NH2 ARG B 202 36.996 41.057 67.815 1.000 62.80 ATOM 3891 NH2 ARG B 202 37.410 43.184 67.004 1.000 64.58 ATOM 3893 O ARG B 202 37.410 43.184 67.004 1.000 64.58 ATOM 3893 C ARG B 202 37.410 43.184 67.004 1.000 64.58 ATOM 3893 C ARG B 202 37.410 43.184 67.004 1.000 64.58 ATOM 3893 C ARG B 202 37.410 43.184 67.004 1.000 64.58 ATOM 3893 C ARG B 202 37.410 43.184 67.004 1.000 64.58 ATOM 3893 C ARG B 202 37.410 43.184 67.004 1.000 64.58 ATOM 3893 C ARG B 202 37.410 43.184 67.004 1.000 64.58 ATOM 3893 C ARG B 202 37.410 43.184 67.004 1.000 62.80 ATOM 3893 C ARG B 202 37.410 43.184 67.004 1.000 62.80 ATOM 3893 C ARG B 202 37.410 43.184 67.004 1.000 62.80 ATOM 3893 C ARG B 202 37.410 43.184 67.004 1.000 62.80 ATOM 3893 C ARG B 202 37.410 43.184 67.004 1.000 62.80 ATOM 3893 C ARG B 202 37.410 43.184 67.004 1.000 62.80 ATOM 3893 C ARG B 202 37.410 43.184 67.004 1.000 62.80 ATOM 3893 C ARG B 202 37.410 43.184 67.004 1.000 62.80 ATOM 3893 C ARG B 202 37.410 43.184 67.004 1	ATOM	3869	CB	LEU	В	200	42.096	44.866	65.560	1.000	37.89
ATOM 3872 CD2 LEU B 200 41.794 46.411 67.514 1.000 55.08 ATOM 3873 C LEU B 200 43.707 42.991 65.738 1.000 36.55 ATOM 3874 O LEU B 200 43.563 42.331 64.706 1.000 39.15 ATOM 3875 N ILE B 201 43.977 42.484 66.938 1.000 29.95 ATOM 3876 CA ILE B 201 44.033 41.033 67.101 1.000 25.47 ATOM 3877 CB ILE B 201 45.314 40.531 67.770 1.000 25.78 ATOM 3878 CG1 ILE B 201 46.630 40.929 67.102 1.000 24.11 ATOM 3879 CD1 ILE B 201 46.630 40.929 67.102 1.000 24.11 ATOM 3880 CG2 ILE B 201 45.271 39.009 67.912 1.000 28.86 ATOM 3881 C ILE B 201 42.824 40.609 67.912 1.000 28.86 ATOM 3882 O ILE B 201 42.468 41.326 68.864 1.000 36.64 ATOM 3883 N ARG B 202 42.229 39.478 67.597 1.000 29.04 ATOM 3884 CA ARG B 202 42.229 39.478 67.597 1.000 29.04 ATOM 3885 CB ARG B 202 39.928 38.698 67.421 1.000 32.44 ATOM 3886 CG ARG B 202 38.587 39.177 67.941 1.000 32.44 ATOM 3887 CD ARG B 202 38.587 39.177 67.941 1.000 32.44 ATOM 3888 NE ARG B 202 36.996 41.057 67.815 1.000 62.80 ATOM 3889 CZ ARG B 202 36.709 42.345 67.754 1.000 72.90 ATOM 3890 NH1 ARG B 202 36.906 41.057 67.815 1.000 62.80 ATOM 3891 NH2 ARG B 202 36.709 42.345 67.754 1.000 72.90 ATOM 3890 NH1 ARG B 202 37.410 43.184 67.004 1.000 64.58 ATOM 3891 NH2 ARG B 202 37.410 43.184 67.004 1.000 64.58 ATOM 3893 O ARG B 202 41.552 37.621 69.013 1.000 24.66 ATOM 3893 O ARG B 202 41.552 37.621 69.013 1.000 24.66 ATOM 3894 N HIS B 203 41.479 37.532 70.330 1.000 19.54 ATOM 3895 CA HIS B 203 41.976 36.706 68.299 1.000 31.26 ATOM 3894 N HIS B 203 41.479 37.532 70.330 1.000 19.54 ATOM 3895 CA HIS B 203 41.479 37.532 70.330 1.000 27.33 ATOM 3896 CB HIS B 203 43.011 36.754 72.047 1.000 23.50 ATOM 3898 ND1 HIS B 203 43.011 36.754 72.047 1.000 23.50 ATOM 3898 ND1 HIS B 203 43.011 36.756 72.902 1.000 33.06	ATOM	3870	CG	LEU	В	200	41.296	45.146	66.831	1.000	47.74
ATOM 3873 C LEU B 200 43.707 42.991 65.738 1.000 36.55 ATOM 3874 O LEU B 200 43.563 42.331 64.706 1.000 39.15 ATOM 3875 N ILE B 201 43.977 42.484 66.938 1.000 29.95 ATOM 3876 CA ILE B 201 44.033 41.033 67.101 1.000 25.47 ATOM 3877 CB ILE B 201 45.314 40.531 67.770 1.000 25.78 ATOM 3878 CG1 ILE B 201 46.630 40.929 67.102 1.000 24.11 ATOM 3879 CD1 ILE B 201 46.743 40.486 65.660 1.000 22.88 ATOM 3880 CG2 ILE B 201 45.271 39.009 67.912 1.000 28.86 ATOM 3881 C ILE B 201 42.824 40.609 67.935 1.000 25.30 ATOM 3882 O ILE B 201 42.468 41.326 68.864 1.000 36.64 ATOM 3883 N ARG B 202 42.229 39.478 67.597 1.000 29.04 ATOM 3884 CA ARG B 202 41.111 38.919 68.353 1.000 28.15 ATOM 3886 CG ARG B 202 39.928 38.698 67.421 1.000 38.49 ATOM 3887 CD ARG B 202 38.587 39.177 67.941 1.000 38.49 ATOM 3888 NE ARG B 202 38.961 40.374 67.121 1.000 51.50 ATOM 3889 CZ ARG B 202 36.996 41.057 67.815 1.000 51.50 ATOM 3890 NH1 ARG B 202 36.709 42.345 67.754 1.000 72.90 ATOM 3891 NH2 ARG B 202 37.410 43.184 67.004 1.000 64.58 ATOM 3891 NH2 ARG B 202 37.410 43.184 67.004 1.000 64.58 ATOM 3891 NH2 ARG B 202 37.410 43.184 67.004 1.000 64.58 ATOM 3891 NH2 ARG B 202 37.410 43.184 67.004 1.000 64.58 ATOM 3893 O ARG B 202 41.552 37.621 69.013 1.000 24.66 ATOM 3893 O ARG B 202 41.552 37.621 69.013 1.000 27.13 ATOM 3896 CB HIS B 203 41.943 36.336 71.046 1.000 27.13 ATOM 3897 CG HIS B 203 43.762 35.711 72.798 1.000 23.50 ATOM 3897 CG HIS B 203 43.762 35.711 72.798 1.000 23.50 ATOM 3898 ND1 HIS B 203 43.762 35.711 72.798 1.000 23.50 ATOM 3898 ND1 HIS B 203 43.762 35.711 72.798 1.000 23.50 ATOM 3898 ND1 HIS B 203 43.762 35.711 72.798 1.000 26.59 ATOM 3898 ND1 HIS B 203 43.762 35.711 72.798 1.000 26.59	MOTA	3871	CD1	LEU	В	200	41.329	43.974	67.800	1.000	44.43
ATOM 3873 C LEU B 200 43.707 42.991 65.738 1.000 36.55 ATOM 3874 O LEU B 200 43.563 42.331 64.706 1.000 39.15 ATOM 3875 N ILE B 201 43.977 42.484 66.938 1.000 29.95 ATOM 3876 CA ILE B 201 44.033 41.033 67.101 1.000 25.47 ATOM 3877 CB ILE B 201 45.314 40.531 67.770 1.000 25.78 ATOM 3878 CG1 ILE B 201 46.630 40.929 67.102 1.000 24.11 ATOM 3879 CD1 ILE B 201 46.743 40.486 65.660 1.000 22.88 ATOM 3880 CG2 ILE B 201 45.271 39.009 67.912 1.000 28.86 ATOM 3881 C ILE B 201 42.824 40.609 67.935 1.000 25.30 ATOM 3882 O ILE B 201 42.468 41.326 68.864 1.000 36.64 ATOM 3883 N ARG B 202 42.229 39.478 67.597 1.000 29.04 ATOM 3884 CA ARG B 202 41.111 38.919 68.353 1.000 28.15 ATOM 3886 CG ARG B 202 39.928 38.698 67.421 1.000 38.49 ATOM 3887 CD ARG B 202 38.587 39.177 67.941 1.000 38.49 ATOM 3888 NE ARG B 202 38.961 40.374 67.121 1.000 51.50 ATOM 3889 CZ ARG B 202 36.996 41.057 67.815 1.000 51.50 ATOM 3890 NH1 ARG B 202 36.709 42.345 67.754 1.000 72.90 ATOM 3891 NH2 ARG B 202 37.410 43.184 67.004 1.000 64.58 ATOM 3891 NH2 ARG B 202 37.410 43.184 67.004 1.000 64.58 ATOM 3891 NH2 ARG B 202 37.410 43.184 67.004 1.000 64.58 ATOM 3891 NH2 ARG B 202 37.410 43.184 67.004 1.000 64.58 ATOM 3893 O ARG B 202 41.552 37.621 69.013 1.000 24.66 ATOM 3893 O ARG B 202 41.552 37.621 69.013 1.000 27.13 ATOM 3896 CB HIS B 203 41.943 36.336 71.046 1.000 27.13 ATOM 3897 CG HIS B 203 43.762 35.711 72.798 1.000 23.50 ATOM 3897 CG HIS B 203 43.762 35.711 72.798 1.000 23.50 ATOM 3898 ND1 HIS B 203 43.762 35.711 72.798 1.000 23.50 ATOM 3898 ND1 HIS B 203 43.762 35.711 72.798 1.000 23.50 ATOM 3898 ND1 HIS B 203 43.762 35.711 72.798 1.000 26.59 ATOM 3898 ND1 HIS B 203 43.762 35.711 72.798 1.000 26.59	ATOM	3872	CD2	LEU	В	200	41.794	46.411	67.514	1.000	55.08
ATOM 3874 O LEU B 200	ATOM	3873		LEU	В	200	43.707			1.000	36.55
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ATOM 3895 CA HIS B 203 41.943 36.336 71.046 1.000 27.13 ATOM 3896 CB HIS B 203 43.011 36.754 72.047 1.000 23.50 ATOM 3897 CG HIS B 203 43.762 35.711 72.798 1.000 26.59 ATOM 3898 ND1 HIS B 203 43.264 35.062 73.902 1.000 33.06											
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ATOM 3897 CG HIS B 203 43.762 35.711 72.798 1.000 26.59 ATOM 3898 ND1 HIS B 203 43.264 35.062 73.902 1.000 33.06											
ATOM 3898 ND1 HIS B 203 43.264 35.062 73.902 1.000 33.06			CB								
	ATOM	3897	CG	HIS	В	203	43.762	35.711			
ATOM 3899 CE1 HIS B 203 44.154 34.200 74.365 1.000 29.95	ATOM	3898	ND1	HIS	В	203	43.264	35.062	73.902	1.000	33.06
	MOTA	3899	CE1	HIS	В	203	44.154	34.200	74.365	1.000	29.95

	ATOM	3900	NE2	HIS	В	203	45.231	34.264	73.603		28.32
	MOTA	3901	CD2	HIS	В	203	45.012	35.203	72.620	1.000	29.08
	MOTA	3902	С	HIS	В	203	40.790	35.608	71.729	1.000	29.92
	MOTA	3903	0	HIS	В	203	40.060	36.152	72.557	1.000	25.16
	MOTA	3904	N	PHE	В	204	40.599	34.337	71.385	1.000	23.26
	ATOM	3905	CA	PHE	В	204	39.474	33.561	71.878	1.000	17.30
	ATOM	3906	СВ	PHE	В	204	38.735	32.923	70.702	1.000	21.59
	ATOM	3907	CG	PHE	В	204	38.310	33.929	69.657	1.000	29.41
	ATOM	3908	CD1	PHE	В	204	39.097	34.183	68.548	1.000	28.21
	ATOM	3909	CE1	PHE	В	204	38.720	35.091	67.585	1.000	29.05
	ATOM	3910	CZ	PHE		204	37.537	35.792	67.732		29.20
	ATOM	3911	CE2	PHE	_	204	36.737	35.544	68.829		29.69
	ATOM	3912	CD2	PHE		204	37.114	34.616	69.779	1.000	29.48
	ATOM	3913	C	PHE		204	39.947	32.481	72.844	1.000	28.09
	ATOM	3914	Ö	PHE		204	40.557	31.502	72.406		31.26
	ATOM	3915	N			205	39.676	32.681	74.133	1.000	18.80
	ATOM	3916	CA	HIS		205	40.188	31.784	75.156		21.65
	ATOM	3917	СВ	HIS	В	205	40.883	32.621	76.249		23.81
	ATOM	3918	CG	HIS	В	205	41.692	31.816	77.216		24.84
	ATOM	3919	ND1	HIS	В	205	42.280	32.371	78.328	1.000	
	ATOM	3920	CE1	HIS		205	42.931	31.440	78.997	1.000	32.02
	ATOM	3921	NE2	HIS		205	42.793	30.285	78.364		25.82
	ATOM	3922	CD2	HIS		205	42.029	30.502	77.251	1.000	
	ATOM	3923	C	HIS	В		39.114	30.895	75.778	1.000	
	ATOM	3924	Ö	HIS			38.277	31.351	76.564	1.000	
	ATOM	3925	N	TYR		206	39.190	29.613	75.438	1.000	26.78
	ATOM	3926	CA	TYR		206	38.347	28.572	76.005	1.000	25.27
	MOTA	3927	CB	TYR			38.308	27.361		1.000	25.32
	ATOM	3928	CG	TYR			37.302	26.289	75.429	1.000	21.60
	MOTA	3929	CD1	TYR			35.946	26.502		1.000	21.30
	ATOM	3930	CE1	TYR			35.027	25.519		1.000	
	MOTA	3931	CZ	TYR			35.457	24.313		1.000	
	MOTA	3932	ОН	TYR			34.536	23.336	76.341	1.000	53.16
	MOTA	3933	CE2	TYR			36.799	24.073	76.248	1.000	25.66
	MOTA	3934	CD2	TYR			37.708	25.067	75.939	1.000	23.88
Ī	MOTA	3935	С	TYR		206	38.850	28.115	77.369	1.000	23.63
	MOTA	3936	0	TYR			39.927	27.531			22.75
1	MOTA	3937	N	THR	В	207	38.078	28.362	78.419	1.000	28.47
7	MOTA	3938	CA	THR	В	207	38.594	28.239	79.781	1.000	34.58
Z	MOTA	3939	СВ	THR	В	207	38.251	29.523	80.579	1.000	29.68
	MOTA	3940	OG1	THR			36.868	29.844	80.409		
	MOTA	3941	CG2				39.025	30.717	80.039		
	MOTA	3942	С	THR			38.079	27.031	80.540		
	MOTA	3943	0	THR			38.351	26.891	81.740		
	MOTA	3944	N	VAL		208	37.333	26.118	79.912		36.23
	MOTA	3945	CA	VAL			36.752	25.066	80.760	1.000	32.80
	MOTA	3946	СВ	VAL	В	208	35.226	25.275	80.831		
	MOTA	3947		VAL			34.942	26.537	81.638		
	MOTA	3948		VAL			34.601	25.387	79.454		32.82
		3949	С	VAL	В	208	37.089	23.660	80.314		39.69
		3950	0	VAL	В	208	36.491	22.707	80.825		
I	MOTA	3951	N	TRP	В	209	38.039	23.467	79.397	1.000	40.70

ATOM	3952	CA	TRP	В	209	38.445	22.102	79.049		
MOTA	3953	CB	TRP	В	209	39.577	22.083	78.032	1.000	31.02
ATOM	3954	CG	TRP	В	209	39.652	20.846	77.194	1.000	28.16
ATOM	3955	CD1	TRP	В	209	39.949	19.583	77.597	1.000	27.98
ATOM	3956	NE1		В	209	39.921	18.716	76.527	1.000	33.60
ATOM	3957	CE2	TRP		209	39.600	19.427	75.396	1.000	
ATOM	3958	CD2	TRP		209	39.426	20.768	75.775	1.000	
ATOM	3959	CE3	TRP	В	209	39.092	21.719	74.805	1.000	
		CZ3		В	209	38.941	21.300	73.496	1.000	
ATOM	3960		TRP			39.121	19.954	73.151		31.19
ATOM	3961	CH2			209		18.999	74.078	1.000	
ATOM	3962	CZ2	TRP		209	39.450			1.000	
MOTA	3963	С	TRP		209	38.888	21.358	80.309		
MOTA	3964	0		В	209	39.737	21.872	81.039	1.000	
MOTA	3965	N	PRO		210	38.325	20.185	80.563	1.000	
ATOM	3966	CA	PRO		210	38.574	19.480	81.825	1.000	
MOTA	3967	CB	PRO		210	37.657	18.251	81.742	1.000	
MOTA	3968	CG	PRO	В	210	36.654	18.591	80.688	1.000	
MOTA	3969	CD	PRO	В	210	37.408	19.429	79.689	1.000	
MOTA	3970	С	PRO	В	210	40.020	19.024	81.943	1.000	39.20
ATOM	3971	0	PRO	В	210	40.737	18.955	80.943	1.000	45.02
ATOM	3972	N	ASP	В	211	40.425	18.710	83.167	1.000	42.94
ATOM	3973	CA	ASP	В	211	41.772	18.214	83.426	1.000	48.87
ATOM	3974	СВ	ASP		211	42.010	18.080	84.934	1.000	57.39
ATOM	3975	CG	ASP		211	42.375	19.402	85.586	1.000	66.45
ATOM	3976			В	211	42.136	20.463	84.966	1.000	52.25
ATOM	3977				211	42.903	19.369	86.721	1.000	
ATOM	3978	C	ASP		211	42.020	16.872	82.747	1.000	
ATOM	3979	0	ASP			43.122	16.559	82.300	1.000	
ATOM	3980	N	HIS			40.987	16.044	82.672	1.000	
			HIS			41.117	14.730	82.050	1.000	
ATOM	3981	CA		В	212	41.117	13.599	83.066		
ATOM	3982	CB				42.146	13.536	84.102		71.70
ATOM	3983	CG		В	212			85.313		74.03
MOTA	3984				212	42.060	14.183			77.44
ATOM	3985	CE1		В		43.144	13.953	86.032		
ATOM	3986				212	43.938	13.155	85.336		79.18
ATOM	3987			В	212	43.332	12.879	84.131		78.65
ATOM	3988	С	HIS			39.976	14.556	81.049		
ATOM	3989	0			212	38.865	14.996	81.354		50.41
ATOM	3990	N	GLY			40.237	13.936	79.906		
MOTA	3991	CA	GLY			39.210	13.707	78.905		
ATOM	3992	С	GLY			38.716	14.968	78.223		
ATOM	3993	0	$\operatorname{GLY}$			39.361	16.015	78.258		
ATOM	3994	N	VAL	В	214	37.550	14.875	77.595		
ATOM	3995	CA	VAL	В	214	36.931	15.933	76.818		
ATOM	3996	CB	VAL	В	214	36.356	15.345	75.510		
ATOM	3997	CG1	VAL	В	214	37.467	14.671	74.725	1.000	35.68
MOTA	3998		VAL			35.226	14.382	75.831	1.000	48.90
ATOM	3999	С	VAL			35.809	16.620	77.575	1.000	43.12
ATOM	4000	Ō	VAL			35.366	16.105	78.602		
ATOM	4001	N	PRO			35.344	17.763	77.089		
ATOM	4002	CA	PRO			34.151	18.378	77.679		
MOTA	4002	CB	PRO			33.784	19.448	76.653		
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ATOM	4004	CG	PRO			35.090	19.835	76.040	1.000	
ATOM	4005	CD	PRO		215	35.888	18.567	75.982		
ATOM	4006	С	PRO		215	33.008	17.374	77.800		
ATOM	4007	0	PRO			32.766	16.617	76.859		
ATOM	4008	N	GLU		216	32.333	17.381	78.942		
ATOM	4009	CA	GLU		216	31.204	16.498	79.215		
ATOM	4010	CB	GLU		216	30.693	16.699	80.643		
ATOM	4011	CG	GLU			29.489	15.856	81.030		
ATOM	4012	CD	GLU		216	28.745	16.402	82.236		
ATOM	4013	OE1			216	29.388	16.616	83.292		79.59
ATOM	4014	OE2			216	27.515	16.622	82.138	1.000	
ATOM	4015	С	GLU		216	30.083	16.748	78.217	1.000	
ATOM	4016	0	GLU			29.274	15.873	77.907		
ATOM	4017	N	THR		217	30.038	17.981	77.699		46.20
ATOM	4018	CA	THR			29.017	18.266	76.693		46.03
ATOM	4019	CB			217	28.092	19.430	77.079		38.73
ATOM	4020	OG1			217	26.778	19.154	76.564	1.000	
ATOM	4021	CG2	THR		217	28.539	20.738	76.440	1.000	
ATOM	4022	С	THR		217	29.666	18.582	75.347		49.34
MOTA	4023	0	THR			30.797	19.060	75.290		48.39
ATOM	4024	N	THR			28.918	18.307	74.287		45.15
ATOM	4025	CA	THR			29.328	18.657	72.938	1.000	38.83
ATOM	4026	CB	THR			28.599	17.780	71.908	1.000	40.05
ATOM	4027	OG1	THR		218	27.195	18.052	72.006		47.92
ATOM	4028	CG2	THR		218	28.789	16.302	72.204	1.000	37.44
ATOM	4029	С	THR		218	29.025	20.122	72.648	1.000	40.85
ATOM	4030	O N	THR		218	29.781	20.830	71.985	1.000	49.43
MOTA	4031	N	GLN		219	27.886	20.590	73.149	1.000	39.19
ATOM ATOM	4032 4033	CA CB	GLN		219 219	27.423	21.943	72.863	1.000	40.36
ATOM	4033	CG	GLN GLN		219	26.112	22.238	73.599	1.000	47.97
ATOM	4034	CD	GLN		219	25.063 24.636	22.954 24.294		1.000	57.22
ATOM	4036			В	219	24.030	24.294		1.000	76.84
ATOM	4030	NE2	GLN		219	23.901	25.061	72.531	1.000	73.40
ATOM	4038	C	GLN		219	28.486	22.976	73.229	1.000	40.36
ATOM	4030	0	GLN		219	28.610	23.987	72.535	1.000	40.36
ATOM	4040	N	SER		220	29.229	22.716	74.293	1.000	38.53
ATOM	4041	CA	SER		220	30.296	23.588	74.774	1.000	40.28
ATOM	4042	CB	SER			31.039	22.897	75.927	1.000	36.16
ATOM	4043	OG	SER			31.787	23.830	76.681		
ATOM	4044	C	SER			31.282	23.969	73.678		39.40
ATOM	4045	0	SER			31.451	25.138	73.322		
ATOM	4046	N	LEU			31.977	22.990	73.102		
ATOM	4047	CA	LEU			32.991	23.314	72.093		
ATOM	4048	CB	LEU			33.912	22.118	71.864		
ATOM	4049	CG	LEU			35.282	22.419	71.247		
ATOM	4050		LEU			36.044	23.445	72.073		
ATOM	4051		LEU			36.111	21.152	71.101		
ATOM	4052	C	LEU			32.323	23.778	70.805		
ATOM	4053	0	LEU			32.776	24.708	70.136		
ATOM	4054	N	ILE			31.217	23.135	70.456		
ATOM	4055	CA	ILE			30.451	23.526	69.277		

ATOM	4056	CB	ILE	В	222	29.169	22.678	69.172	1.000	36.72
ATOM	4057	CG1	ILE	В	222	29.431	21.240	68.707	1.000	28.35
ATOM	4058	CD1	ILE	В	222	28.159	20.425	68.645	1.000	27.69
ATOM	4059	CG2	ILE	В	222	28.131	23.351	68.293	1.000	33.22
ATOM	4060	С		В	222	30.103	25.005	69.293	1.000	36.01
ATOM	4061	0	ILE		222	30.270	25.723	68.300	1.000	32.03
MOTA	4062	N	GLN		223	29.607	25.516	70.425	1.000	29.32
ATOM	4063	CA	GLN		223	29.310	26.951	70.415	1.000	35.50
ATOM	4064	СВ	GLN		223	28.535	27.378	71.662	1.000	46.37
ATOM	4065	CG	GLN		223	27.155	27.943	71.365	1.000	60.65
ATOM	4066	CD	GLN		223	26.869	29.302	71.968	1.000	64.54
ATOM	4067	OE1			223	27.164	30.353	71.390	1.000	52.88
ATOM	4068		GLN		223	26.268	29.309	73.157		64.34
ATOM	4069	C	GLN		223	30.601	27.759	70.275	1.000	32.82
ATOM	4009	0	GLN		223	30.633	28.704	69.482	1.000	40.85
	4070	N	PHE		224	31.643	27.396	71.019	1.000	25.74
ATOM	4071	CA			224	32.907	28.131	70.963		27.71
ATOM	4072	CB	PHE		224	33.949	27.479	71.869		24.79
ATOM ATOM	4074	CG		В	224	35.314	28.117	71.858	1.000	
ATOM	4075	CD1			224	35.532	29.343	72.466	1.000	23.05
ATOM	4075	CE1		В	224	36.785	29.925	72.476	1.000	27.91
ATOM	4077	CZ			224	37.861	29.306	71.869	1.000	21.81
ATOM	4078	CE2		В	224	37.654	28.086	71.253	1.000	21.78
ATOM	4079	CD2		В	224	36.400	27.506	71.255	1.000	21.56
ATOM	4080	C	PHE		224	33.441	28.175	69.535	1.000	25.15
MOTA	4081	0		В	224	33.832	29.206	68.999	1.000	25.80
ATOM	4082	N		В	225	33.454	27.006	68.903	1.000	26.67
ATOM	4083	CA	VAL		225	33.933	26.919	67.532		29.86
ATOM	4084	СВ	VAL		225	33.999	25.467	67.029	1.000	20.12
ATOM	4085	CG1	VAL		225	34.080	25.457	65.499		25.23
ATOM	4086		VAL		225	35.171	24.740	67.654	1.000	26.39
ATOM	4087	С	VAL		225	33.042	27.709	66.581	1.000	34.74
ATOM	4088	0	VAL		225	33.545	28.329	65.644	1.000	35.87
ATOM	4089	N	ARG		226	31.732	27.673	66.823	1.000	30.68
ATOM	4090	CA	ARG		226	30.851	28.464	65.957	1.000	28.68
ATOM	4091	СВ	ARG		226	29.398	28.070	66.220	1.000	35.23
ATOM	4092	CG	ARG		226	29.089	26.678	65.666	1.000	37.49
ATOM	4093	CD	ARG	В	226	27.609	26.495	65.389	1.000	45.19
ATOM	4094	NE	ARG	В	226	27.284	25.237	64.718	1.000	47.88
MOTA	4095	CZ	ARG			26.232	24.481	65.025	1.000	52.72
ATOM	4096		ARG			25.394	24.845	65.994		43.21
ATOM	4097	NH2	ARG	В	226	26.003	23.348	64.369	1.000	42.49
ATOM	4098	С	ARG	В	226	31.120	29.943	66.166	1.000	34.17
ATOM	4099	0	ARG			31.166	30.741	65.228	1.000	36.74
ATOM	4100	N	THR			31.340	30.366	67.409		
ATOM	4101	CA	THR			31.672	31.767	67.647	1.000	24.50
MOTA	4102	CB	THR			31.786	32.029	69.165	1.000	34.83
ATOM	4103	OG1	THR	В	227	30.553	31.661	69.790		51.39
ATOM	4104	CG2	THR			32.011	33.502		1.000	
ATOM	4105	С	THR	В	227	32.980	32.179	66.987		
ATOM	4106	0	THR			33.096	33.245	66.375		
MOTA	4107	N	VAL	В	228	34.011	31.345	67.106	1.000	28.59

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MOTA	4108	CA	VAL			35.306	31.681	66.512		
ATOM	4109	CB	VAL	В	228	36.413	30.705	66.949		36.11
ATOM	4110	CG1	VAL	В	228	37.648	30.824	66.068		29.10
ATOM	4111	CG2	VAL	В	228	36.821	30.927	68.408	1.000	24.69
ATOM	4112	С	VAL	В	228	35.169	31.706	64.996	1.000	31.35
ATOM	4113	0	VAL	В	228	35.760	32.543	64.321	1.000	23.32
MOTA	4114	N	ARG		229	34.386	30.796	64.422	1.000	32.50
ATOM	4115	CA	ARG		229	34.313	30.758	62.950		35.15
ATOM	4116	СВ	ARG		229	33.635	29.463	62.517		29.29
ATOM	4117	CG	ARG		229	33.187	29.363	61.077		32.09
ATOM	4117	CD	ARG		229	34.246	29.762	60.075		36.20
		NE	ARG			35.498	29.024	60.225		34.10
MOTA	4119		ARG		229	36.530	29.145	59.398		31.12
ATOM	4120	CZ					29.976	58.364		
ATOM	4121		ARG		229	36.458		59.603		
ATOM	4122		ARG		229	37.637	28.440			
MOTA	4123	С	ARG		229	33.634	32.009	62.407		37.12
ATOM	4124	0	ARG		229	34.041	32.534	61.363		38.65
ATOM	4125	N	ASP		230	32.621	32.517	63.102		
MOTA	4126	CA			230	31.983	33.770	62.716		34.08
MOTA	4127	CB	ASP	В	230	30.892	34.161	63.717		
MOTA	4128	CG	ASP	В	230	29.629	33.328	63.559		
MOTA	4129	OD1	ASP	В	230	29.284	32.975	62.409		
MOTA	4130	OD2	ASP	В	230	28.986	33.029	64.589		
ATOM	4131	С	ASP	В	230	32.996	34.899	62.621	1.000	32.94
ATOM	4132	0	ASP	В	230	32.925	35.752	61.737	1.000	48.01
MOTA	4133	N	TYR		231	33.967	34.941	63.537	1.000	28.38
ATOM	4134	CA	TYR			34.903	36.062	63.457	1.000	31.35
ATOM	4135	СВ	TYR			35.624	36.312	64.779	1.000	33.15
ATOM	4136	CG	TYR			34.805	37.080	65.791	1.000	35.44
ATOM	4137	CD1	TYR		231	33.863	36.439		1.000	
ATOM	4138	CE1	TYR			33.119	37.148	67.508	1.000	45.49
ATOM	4139	CZ	TYR			33.311	38.506	67.647		
MOTA	4140	OH	TYR			32.572	39.217	68.563	1.000	
ATOM	4141	CE2				34.240	39.164	66.874		
ATOM	4142	CD2				34.981	38.448	65.951	1.000	
ATOM		CDZ	TYR		231	35.937	35.836	62.358	1.000	
	4143		TYR			36.404	36.825	61.794		
ATOM	4144	0			232	36.288	34.583	62.079		
ATOM	4145	N	ILE ILE			37.274	34.317	61.032		
ATOM	4146	CA						60.956		
MOTA	4147	CB				37.731	32.855			
ATOM	4148		ILE			38.610	32.387	62.123		
ATOM	4149		ILE			38.492	30.888	62.342		
ATOM	4150		ILE			38.435	32.591	59.628		
ATOM	4151	С	ILE			36.664	34.713	59.686		
MOTA	4152	0	ILE			37.327	35.289	58.829		
ATOM	4153	N	ASN			35.384	34.401	59.536		
MOTA	4154	CA	ASN			34.678	34.774	58.310		
ATOM	4155	СВ	ASN	В	233	33.288	34.125	58.331		
MOTA	4156	CG	ASN	В	233	33.411	32.644	58.011		
ATOM	4157	OD1	ASN	В	233	34.456	32.194	57.542		
ATOM	4158		ASN			32.353	31.889	58.275		
MOTA	4159	С	ASN			34.602	36.285	58.135	1.000	39.52

ATOM 4160 O ASN B 233 34.526 36.785 57.012 1.000 35.15 ATOM 4161 N ARG B 234 34.605 38.501 59.217 1.000 36.43 ATOM 4163 CB ARG B 234 33.826 39.055 60.391 1.000 49.91 ATOM 4165 CD ARG B 234 32.397 38.562 60.514 1.000 67.74 ATOM 4165 CD ARG B 234 32.397 38.562 60.514 1.000 67.74 ATOM 4166 NE ARG B 234 32.397 38.562 60.514 1.000 58.98 ATOM 4166 NE ARG B 234 32.325 39.486 61.349 1.000 54.26 ATOM 4167 CZ ARG B 234 31.260 38.870 63.702 1.000 52.26 ATOM 4168 NH1 ARG B 234 32.325 39.608 63.990 1.000 52.91 ATOM 4169 NH2 ARG B 234 35.998 39.117 59.211 1.000 33.22 ATOM 4171 O ARG B 234 35.998 39.117 59.211 1.000 33.22 ATOM 4172 N SER B 235 37.015 40.331 59.488 1.000 48.40 ATOM 4173 CA SER B 235 39.279 38.104 60.042 1.000 32.54 ATOM 4175 OG SER B 235 39.279 38.104 60.042 1.000 32.54 ATOM 4176 C SER B 235 39.279 38.104 60.042 1.000 32.54 ATOM 4176 C SER B 235 39.076 38.841 57.671 1.000 40.54 ATOM 4177 O SER B 235 39.076 38.841 57.671 1.000 40.54 ATOM 4178 N PRO B 236 38.901 40.93 35.494 1.000 34.54 ATOM 4178 N PRO B 236 38.091 40.93 55.441 1.000 40.54 ATOM 4178 CA PRO B 236 38.091 59.592 56.707 1.000 45.54 ATOM 4178 N PRO B 236 38.091 59.592 56.707 1.000 45.54 ATOM 4180 CB PRO B 236 38.093 40.193 54.494 1.000 55.52 ATOM 4181 CG PRO B 236 37.658 41.297 55.406 1.000 55.25 ATOM 4188 C PRO B 236 37.658 41.297 55.406 1.000 55.52 ATOM 4188 C PRO B 236 37.658 41.297 55.406 1.000 55.52 ATOM 4188 C PRO B 236 37.658 41.297 55.406 1.000 45.59 ATOM 4188 O GLY B 237 41.304 39.292 54.422 1.000 33.69 ATOM 4189 N ALA B 238 42.940 38.440 56.365 1.000 31.80 ATOM 4189 N ALA B 238 42.940 38.440 56.365 1.000 31.80 ATOM 4198 N ALA B 238 44.747 38.399 57.991 1.000 22.87 ATOM 4199 CA PRO B 236 43.638 43.690 57.491 55.554 1.000 60.654 ATOM 4199 CA PRO B 236 44.6775 33.188 58.496 1.000 27.91 ATOM 4199 CA PRO B 236 44.6775 33.188 58.496 1.000 27.91 ATOM 4199 CA PRO B 240 44.772 39.537 55.554 1.000 26.681 ATOM 4199 CA PRO B 240 44.573 33.198 58.491 1.000 24.16 ATOM 4206 CB PRO B 240 44.775 33.198 58.491 1.000 24.93 ATOM 4207 CB PRO B 240 44.775 33.198											
ATOM 4162 CA ARG B 234 34.605 38.501 59.186 1.000 36.43 ATOM 4163 CB ARG B 234 33.826 39.055 60.514 1.000 60.74 ATOM 4164 CG ARG B 234 32.397 38.562 60.514 1.000 60.74 ATOM 4165 CD ARG B 234 32.397 38.562 60.514 1.000 58.98 ATOM 4166 NE ARG B 234 31.528 39.486 61.349 1.000 54.26 ATOM 4167 CZ ARG B 234 31.260 38.870 63.702 1.000 52.64 ATOM 4168 NH1 ARG B 234 32.325 39.608 63.990 1.000 52.64 ATOM 4169 NH2 ARG B 234 35.998 39.608 63.990 1.000 52.64 ATOM 4167 CZ ARG B 234 35.998 39.608 63.990 1.000 52.91 ATOM 4171 O ARG B 234 35.998 39.117 59.211 1.000 46.80 ATOM 4172 N SER B 235 37.061 38.347 59.020 1.000 28.40 ATOM 4173 CA SER B 235 38.421 38.885 59.043 1.000 34.07 ATOM 4175 CG SER B 235 38.421 38.885 59.043 1.000 34.54 ATOM 4176 C SER B 235 38.666 38.004 61.314 1.000 34.54 ATOM 4176 C SER B 235 38.0666 38.004 61.314 1.000 34.54 ATOM 4176 C SER B 235 38.004 61.314 1.000 46.54 ATOM 4177 O SER B 235 38.004 61.314 1.000 40.54 ATOM 4178 N PRO B 236 38.561 39.592 56.707 1.000 42.54 ATOM 4178 N PRO B 236 38.091 39.383 55.341 1.000 40.54 ATOM 4178 CA PRO B 236 38.093 40.193 54.494 1.000 50.52 ATOM 4181 CG PRO B 236 38.093 40.193 54.494 1.000 50.52 ATOM 4181 CG PRO B 236 38.093 40.193 54.494 1.000 50.52 ATOM 4183 C PRO B 236 38.093 40.193 54.494 1.000 50.52 ATOM 4183 C PRO B 236 37.658 41.297 55.406 1.000 45.55 ATOM 4183 C PRO B 236 40.815 40.815 40.861 50.000 34.18 ATOM 4186 CB PRO B 236 40.815 40.861 50.861 1.000 45.59 ATOM 4188 O BRO B 236 40.815 40.861 50.000 34.18 ATOM 4186 CB PRO B 236 40.815 40.861 50.861 1.000 40.54 ATOM 4186 CB PRO B 236 40.815 40.861 50.861 1.000 40.55 ATOM 4187 C BRO B 236 40.815 40.861 50.861 1.000 40.55 ATOM 4188 O BRO B 236 40.815 40.861 50.861 1.000 40.55 ATOM 4188 O BRO B 236 40.815 40.861 50.861 1.000 40.56 ATOM 4183 C PRO B 236 40.815 40.861 50.861 1.000 40.56 ATOM 4187 C GLY B 237 41.304 39.292 54.422 1.000 33.68 ATOM 4188 O BRO B 236 40.815 40.861 50.861 1.000 40.56 ATOM 4189 C ALA B 238 44.543 36.705 57.499 1.000 22.89 ATOM 4199 CA ALA B 238 44.543 36.705 57.499 1.000 22.89 ATOM 4191	ATOM	4160	0	ASN	В	233	34.526				
ATOM 4163 CB ARG B 234 33.826 39.055 60.391 1.000 49.91 ATOM 4164 CG ARG B 234 32.397 38.562 60.514 1.000 60.74 ATOM 4165 CD ARG B 234 31.528 39.486 61.349 1.000 58.98 ATOM 4166 NE ARG B 234 31.526 39.486 61.349 1.000 52.94 ATOM 4166 NE ARG B 234 31.260 38.870 63.702 1.000 52.91 ATOM 4168 NH1 ARG B 234 32.325 39.608 63.990 1.000 52.91 ATOM 4169 NH2 ARG B 234 35.998 39.117 59.211 1.000 33.225 ATOM 4171 C ARG B 234 35.998 39.117 59.211 1.000 43.68 ATOM 4171 C ARG B 234 35.998 39.117 59.211 1.000 44.40 ATOM 4171 N SER B 235 37.061 38.347 59.020 1.000 28.34 ATOM 4173 CA SER B 235 38.666 38.904 60.042 1.000 34.07 ATOM 4174 CB SER B 235 38.666 38.004 61.314 1.000 34.54 ATOM 4175 OG SER B 235 38.666 38.004 61.314 1.000 34.54 ATOM 4176 C SER B 235 39.079 38.104 60.042 1.000 34.07 ATOM 4176 C SER B 235 39.079 38.104 60.042 1.000 34.54 ATOM 4177 O SER B 235 39.076 38.814 57.671 1.000 46.53 ATOM 4179 CA PRO B 236 39.591 57.421 1.000 36.22 ATOM 4179 CA PRO B 236 39.591 57.421 1.000 36.22 ATOM 4179 CA PRO B 236 39.064 39.383 55.341 1.000 42.54 ATOM 4180 CB PRO B 236 38.094 39.393 55.341 1.000 45.53 ATOM 4180 CB PRO B 236 37.658 41.297 55.406 1.000 55.25 ATOM 4181 CG PRO B 236 37.658 41.297 55.406 1.000 55.25 ATOM 4181 CG PRO B 236 37.658 41.297 55.406 1.000 55.25 ATOM 4183 C PRO B 236 37.658 41.297 55.406 1.000 55.25 ATOM 4181 C B PRO B 236 37.658 41.297 55.406 1.000 55.25 ATOM 4181 C B PRO B 236 37.658 41.297 55.406 1.000 55.25 ATOM 4181 C C PRO B 236 40.491 39.914 55.278 1.000 45.59 ATOM 4181 C C PRO B 236 40.491 39.914 50.278 1.000 45.59 ATOM 4181 C C PRO B 236 40.491 39.914 50.278 1.000 45.59 ATOM 4181 C C PRO B 236 40.491 39.914 50.278 1.000 26.68 ATOM 4181 C C PRO B 236 40.491 39.914 50.278 1.000 26.68 ATOM 4181 C C PRO B 236 40.491 39.914 50.278 1.000 26.68 ATOM 4181 C C PRO B 236 40.491 39.914 50.278 1.000 26.68 ATOM 4191 C C ALA B 238 44.678 39.914 50.278 1.000 26.68 ATOM 4191 C C ALA B 238 44.678 39.914 50.910 29.23 ATOM 4191 C C ALA B 238 44.678 39.914 50.900 29.23 ATOM 4191 C C ALA B 238 44.678 39.914 50.900 29.	MOTA	4161	N	ARG	В	234	34.636				
ATOM 4164 CG ARG B 234 32.397 38.562 60.514 1.000 60.74 ATOM 4165 CD ARG B 234 31.528 39.486 61.349 1.000 55.98 ATOM 4166 NE ARG B 234 31.528 39.486 61.349 1.000 55.26 ATOM 4167 CZ ARG B 234 31.260 38.870 62.440 1.000 52.64 ATOM 4168 NHL ARG B 234 31.260 38.870 63.702 1.000 52.64 ATOM 4168 NHL ARG B 234 30.626 38.228 64.671 1.000 46.68 ATOM 4170 C ARG B 234 30.626 38.228 64.671 1.000 46.68 ATOM 4171 O ARG B 234 35.998 39.117 59.211 1.000 33.22 ATOM 4171 O ARG B 235 37.061 38.347 59.020 1.000 28.34 ATOM 4172 N SER B 235 37.061 38.347 59.020 1.000 28.34 ATOM 4173 CG SER B 235 38.421 38.885 59.043 1.000 32.54 ATOM 4174 CB SER B 235 39.076 38.841 57.671 1.000 40.54 ATOM 4175 OG SER B 235 39.076 38.841 57.671 1.000 40.52 ATOM 4176 C SER B 235 39.076 38.841 57.671 1.000 40.54 ATOM 4177 O SER B 235 39.076 38.841 57.671 1.000 40.52 ATOM 4178 N PRO B 236 38.561 39.592 56.707 1.000 42.54 ATOM 4179 CA PRO B 236 39.064 39.383 55.341 1.000 42.54 ATOM 4181 CG PRO B 236 39.064 39.383 55.341 1.000 42.54 ATOM 4181 CG PRO B 236 37.658 41.297 55.406 1.000 55.25 ATOM 4182 CD PRO B 236 37.658 41.297 55.406 1.000 55.25 ATOM 4184 O PRO B 236 37.658 41.297 55.406 1.000 55.25 ATOM 4185 N GLY B 237 41.304 39.292 56.707 1.000 46.59 ATOM 4186 CA GLY B 237 42.692 39.734 54.313 1.000 33.61 ATOM 4187 C GLY B 237 41.304 39.292 56.402 1.000 33.61 ATOM 4188 O GLY B 237 42.692 39.734 54.313 1.000 32.64 ATOM 4189 N ALA B 238 44.706 37.675 55.554 1.000 27.98 ATOM 4190 CA ALA B 238 44.720 39.557 55.554 1.000 27.98 ATOM 4191 CB ALA B 238 44.720 39.537 55.554 1.000 27.98 ATOM 4199 CA PRO B 236 37.656 31.399 59.199 1.000 22.23 ATOM 4190 CB ALA B 238 44.760 37.471 58.590 1.000 22.43 ATOM 4191 CB RAL B 238 44.760 37.471 58.590 1.000 22.43 ATOM 4191 CB ALA B 238 44.760 37.471 58.590 1.000 22.43 ATOM 4193 O ALA B 238 44.760 37.471 58.590 1.000 22.49 ATOM 4194 N GLY B 239 46.486 35.346 57.722 1.000 26.59 ATOM 4198 N PRO B 240 46.707 33.188 58.496 1.000 27.93 ATOM 4190 CA PRO B 240 46.306 31.999 59.199 1.000 22.497 ATOM 4202 CD PRO B 240 46.306 31.399 59.19	MOTA	4162	CA	ARG	В	234	34.605				=
ATOM 4165 CD ARG B 234 31.528 39.486 61.349 1.000 58.98 ATOM 4166 NE ARG B 234 30.847 38.790 62.440 1.000 54.26 ATOM 4167 CZ ARG B 234 31.520 38.870 63.702 1.000 52.64 ATOM 4168 NH1 ARG B 234 32.325 39.608 63.990 1.000 52.61 ATOM 4169 NH2 ARG B 234 32.325 39.608 63.990 1.000 52.61 ATOM 4169 NH2 ARG B 234 35.998 39.117 59.211 1.000 46.68 ATOM 4170 C ARG B 234 35.998 39.117 59.211 1.000 33.22 ATOM 4171 O ARG B 234 36.115 40.331 59.418 1.000 48.40 ATOM 4172 N SER B 235 37.061 38.347 59.020 1.000 28.34 ATOM 4173 CA SER B 235 38.421 38.885 59.043 1.000 32.54 ATOM 4174 CB SER B 235 38.421 38.885 59.043 1.000 34.57 ATOM 4175 OG SER B 235 39.076 38.841 57.671 1.000 40.54 ATOM 4177 O SER B 235 39.076 38.841 57.671 1.000 40.54 ATOM 4178 N PRO B 236 39.064 39.383 55.341 1.000 42.54 ATOM 4179 CA PRO B 236 39.064 39.383 55.341 1.000 42.54 ATOM 4179 CA PRO B 236 38.093 40.193 54.494 1.000 36.22 ATOM 4180 CB PRO B 236 38.093 40.193 54.494 1.000 55.25 ATOM 4181 CG PRO B 236 37.577 40.675 56.775 1.000 55.25 ATOM 4181 CG PRO B 236 37.577 40.675 56.775 1.000 55.25 ATOM 4183 C PRO B 236 37.577 40.675 56.775 1.000 50.10 ATOM 4184 O PRO B 236 40.491 39.914 55.278 1.000 34.18 ATOM 4185 N GLY B 237 41.304 39.292 54.422 1.000 33.61 ATOM 4186 CA GLY B 237 43.533 39.226 55.468 1.000 27.98 ATOM 4188 O GLY B 237 43.533 39.226 55.468 1.000 27.98 ATOM 4189 N ALA B 238 42.706 37.471 58.590 1.000 29.23 ATOM 4189 N ALA B 238 42.706 37.471 58.590 1.000 29.92 ATOM 4191 CG BALA B 238 44.720 39.537 55.554 1.000 36.18 ATOM 4193 CA ALA B 238 44.720 39.537 55.554 1.000 36.92 ATOM 4194 N GLY B 237 43.533 39.226 55.468 1.000 27.98 ATOM 4195 CA BLA B 238 44.720 39.537 55.554 1.000 27.98 ATOM 4191 CB BALA B 238 42.706 37.471 58.590 1.000 29.92 ATOM 4193 CA PRO B 240 46.755 33.194 67.722 1.000 26.61 ATOM 4194 N GLY B 239 46.68 55.495 57.722 1.000 26.51 ATOM 4195 CA BLA B 238 44.7470 31.500 58.534 1.000 27.93 ATOM 4196 C GLY B 239 45.703 36.544 57.722 1.000 26.51 ATOM 4198 N PRO B 240 46.755 33.194 61.314 1.000 27.93 ATOM 4200 CB PRO B 240 46.235 33.194 61.	MOTA	4163	СВ	ARG	В	234					
ATOM 4166 NE ARG B 234 30.847 38.790 62.440 1.000 54.26 ATOM 4167 CZ ARG B 234 31.260 38.870 63.702 1.000 52.91 ATOM 4168 NH1 ARG B 234 32.253 99.608 63.790 1.000 52.91 ATOM 4169 NH2 ARG B 234 30.626 38.228 64.671 1.000 46.68 ATOM 4170 C ARG B 234 35.998 39.117 59.211 1.000 33.22 ATOM 4171 O ARG B 234 36.155 40.331 59.418 1.000 48.40 ATOM 4171 O ARG B 234 36.155 40.331 59.418 1.000 34.24 ATOM 4172 N SER B 235 37.061 38.347 59.020 1.000 28.34 ATOM 4173 CA SER B 235 38.421 38.885 59.043 1.000 32.54 ATOM 4174 CB SER B 235 38.421 38.885 59.043 1.000 34.07 ATOM 4176 C SER B 235 39.076 38.004 61.314 1.000 34.54 ATOM 4177 O SER B 235 39.076 38.841 57.671 1.000 40.54 ATOM 4177 O SER B 235 39.076 38.841 57.671 1.000 40.54 ATOM 4178 N PRO B 236 38.561 39.592 56.707 1.000 42.54 ATOM 4179 CA PRO B 236 38.093 40.193 55.341 1.000 46.53 ATOM 4180 CB PRO B 236 38.093 40.193 55.4494 1.000 55.52 ATOM 4181 CG PRO B 236 37.577 40.675 56.775 1.000 45.55 ATOM 4182 CD PRO B 236 37.577 40.675 56.775 1.000 45.59 ATOM 4183 C PRO B 236 40.491 39.914 55.278 1.000 34.18 ATOM 4184 O PRO B 236 40.491 39.914 55.278 1.000 34.18 ATOM 4186 CA GIY B 237 42.692 39.734 54.422 1.000 34.18 ATOM 4187 C GIY B 237 42.692 39.734 54.422 1.000 34.18 ATOM 4188 O GLY B 237 42.692 39.734 54.422 1.000 34.18 ATOM 4189 N ALA B 238 42.690 38.440 56.365 1.000 34.18 ATOM 4189 N ALA B 238 44.543 36.705 57.499 1.000 29.23 ATOM 4190 CA ALA B 238 44.543 36.705 57.499 1.000 29.23 ATOM 4191 CB ALA B 238 44.543 36.705 57.499 1.000 29.23 ATOM 4191 CB ALA B 238 44.543 36.705 57.425 1.000 26.69 ATOM 4198 N ROB 230 44.777 33.188 58.496 1.000 27.91 ATOM 4190 CA PRO B 240 44.509 31.395 59.199 1.000 29.82 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.82 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.82 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.82 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.82 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.82 ATOM 4193 O ALA B 238 44.540 36.705 57.090 1.000 29.82 ATOM 4194 N GLY B 239 46.486 35.346 57.722 1.	ATOM	4164	CG	ARG	В	234	32.397	38.562			
ATOM 4168 NH1 ARG B 234 31.260 38.870 63.702 1.000 52.64 ATOM 4168 NH1 ARG B 234 32.325 39.608 63.990 1.000 52.91 ATOM 4169 NH2 ARG B 234 30.626 38.228 64.671 1.000 46.68 ATOM 4170 C ARG B 234 35.998 39.117 59.211 1.000 33.22 ATOM 4171 O ARG B 234 36.115 40.331 59.418 1.000 48.40 ATOM 4172 N SER B 235 37.061 38.347 59.020 1.000 22.54 ATOM 4173 CA SER B 235 38.421 38.885 59.043 1.000 32.54 ATOM 4174 CB SER B 235 38.421 38.885 59.043 1.000 32.54 ATOM 4175 OG SER B 235 39.076 38.841 57.671 1.000 40.54 ATOM 4177 O SER B 235 39.076 38.841 57.671 1.000 40.54 ATOM 4177 O SER B 235 39.076 38.841 57.671 1.000 40.54 ATOM 4178 N PRO B 236 38.066 38.004 61.314 1.000 34.57 ATOM 4178 N PRO B 236 38.064 39.383 55.341 1.000 42.54 ATOM 4179 CA PRO B 236 38.064 39.383 55.341 1.000 42.54 ATOM 4180 CB PRO B 236 38.093 40.193 54.494 1.000 50.52 ATOM 4181 CG PRO B 236 37.658 41.297 55.406 1.000 55.25 ATOM 4182 CD PRO B 236 37.577 40.675 56.775 1.000 50.52 ATOM 4183 C PRO B 236 37.577 40.675 56.775 1.000 50.52 ATOM 4183 C PRO B 236 40.491 39.914 55.278 1.000 34.18 ATOM 4186 CA GLY B 237 41.304 39.292 54.422 1.000 33.61 ATOM 4186 CA GLY B 237 41.304 39.292 55.468 1.000 34.18 ATOM 4186 CA GLY B 237 42.692 39.734 54.313 1.000 34.18 ATOM 4188 O GLY B 237 44.720 39.537 55.554 1.000 37.69 ATOM 4189 N ALA B 238 42.940 38.440 56.365 1.000 31.80 ATOM 4189 N ALA B 238 42.940 38.440 56.365 1.000 31.80 ATOM 4191 CB ALA B 238 42.940 38.440 56.365 1.000 31.80 ATOM 4191 CB ALA B 238 42.940 38.440 56.365 1.000 22.93 ATOM 4191 CB ALA B 238 42.940 38.440 56.365 1.000 22.93 ATOM 4191 CB ALA B 238 42.940 38.440 56.365 1.000 22.93 ATOM 4191 CB ALA B 238 42.940 38.440 56.365 1.000 22.93 ATOM 4191 CB ALA B 238 42.940 38.440 56.365 1.000 22.93 ATOM 4191 CB ALA B 238 42.940 38.450 56.320 1.000 22.93 ATOM 4191 CB ALA B 238 42.940 38.450 56.320 1.000 22.93 ATOM 4190 CA ALA B 238 44.543 36.705 57.090 1.000 29.23 ATOM 4191 CB ALA B 238 42.940 38.450 56.320 1.000 20.63 ATOM 4202 CB PRO B 240 47.566 31.335 59.350 1.000 22.93 ATOM 4202 CC D PRO B 240 47.566 31.335	MOTA	4165	CD	ARG	В	234	31.528	39.486	61.349	1.000	58.98
ATOM 4168 NH1 ARG B 234 32.325 39.608 63.990 1.000 52.91 ATOM 4169 NH2 ARG B 234 30.626 38.228 64.671 1.000 46.64 ATOM 4170 C ARG B 234 35.998 39.117 59.211 1.000 43.22 ATOM 4171 O ARG B 234 36.115 40.331 59.418 1.000 48.40 ATOM 4172 N SER B 235 37.061 38.347 59.020 1.000 28.25 ATOM 4173 CA SER B 235 38.421 38.885 59.043 1.000 32.54 ATOM 4173 CA SER B 235 38.421 38.885 59.043 1.000 32.54 ATOM 4175 OG SER B 235 38.666 38.004 61.314 1.000 34.07 ATOM 4176 C SER B 235 38.666 38.004 61.314 1.000 34.07 ATOM 4177 O SER B 235 38.666 38.004 61.314 1.000 36.22 ATOM 4178 N PRO B 236 38.561 39.592 56.707 1.000 40.54 ATOM 4179 CA PRO B 236 38.064 39.383 55.341 1.000 46.53 ATOM 4179 CA PRO B 236 38.093 40.193 54.494 1.000 50.52 ATOM 4181 CG PRO B 236 37.658 41.297 55.406 1.000 50.52 ATOM 4181 CG PRO B 236 37.658 41.297 55.406 1.000 50.52 ATOM 4184 O PRO B 236 40.815 50.408 1.000 31.80 ATOM 4187 C GLY B 237 42.692 39.734 54.313 1.000 30.68 ATOM 4187 C GLY B 237 42.692 39.734 54.313 1.000 30.68 ATOM 4187 C GLY B 237 43.533 39.226 55.468 1.000 27.98 ATOM 4188 O GLY B 237 43.533 39.226 55.468 1.000 27.98 ATOM 4190 CA ALA B 238 42.940 38.440 56.365 1.000 31.80 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.82 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.82 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.82 ATOM 4193 O ALA B 238 44.543 36.705 57.990 1.000 29.82 ATOM 4191 CB ALA B 238 44.543 36.705 57.990 1.000 29.82 ATOM 4193 O ALA B 238 44.543 36.705 57.990 1.000 29.82 ATOM 4194 N GLY B 239 45.930 34.157 58.911 1.000 26.69 ATOM 4194 N GLY B 239 45.930 34.157 58.911 1.000 26.69 ATOM 4194 N GLY B 239 45.930 34.157 58.911 1.000 26.69 ATOM 4194 N GLY B 239 45.930 34.157 5	MOTA	4166	NE	ARG	В	234	30.847	38.790	62.440	1.000	54.26
ATOM 4199 NH2 ARG B 234	ATOM	4167	CZ	ARG	В	234	31.260	38.870	63.702		
ATOM 4170 C ARG B 234 35.998 39.117 59.211 1.000 33.22 ATOM 4171 O ARG B 234 36.115 40.331 59.418 1.000 48.40 ATOM 4172 N SER B 235 37.061 38.347 59.020 1.000 28.34 ATOM 4173 CA SER B 235 38.421 38.885 59.043 1.000 32.54 ATOM 4174 CB SER B 235 38.421 38.885 59.043 1.000 32.54 ATOM 4175 OG SER B 235 39.279 38.104 60.042 1.000 34.54 ATOM 4176 C SER B 235 39.076 38.841 57.671 1.000 40.54 ATOM 4177 O SER B 235 39.076 38.841 57.671 1.000 40.54 ATOM 4178 N PRO B 236 38.561 39.592 56.707 1.000 42.54 ATOM 4179 CA PRO B 236 38.064 39.383 55.341 1.000 46.53 ATOM 4180 CB PRO B 236 37.658 41.297 55.406 1.000 50.52 ATOM 4181 CG PRO B 236 37.658 41.297 55.406 1.000 50.52 ATOM 4183 C PRO B 236 40.491 39.914 55.278 1.000 45.59 ATOM 4184 O PRO B 236 40.815 40.861 56.008 1.000 34.18 ATOM 4185 N GLY B 237 42.692 39.734 54.313 1.000 36.68 ATOM 4186 CA GLY B 237 42.692 39.734 54.313 1.000 30.68 ATOM 4188 O GLY B 237 42.692 39.734 54.313 1.000 30.68 ATOM 4189 N ALA B 238 42.706 38.440 56.365 1.000 29.23 ATOM 4189 N ALA B 238 42.706 37.471 58.590 1.000 29.23 ATOM 4190 CA ALA B 238 44.720 39.537 55.554 1.000 29.23 ATOM 4191 CB ALA B 238 44.720 39.537 55.554 1.000 29.23 ATOM 4192 C ALA B 238 44.730 38.405 56.200 1.000 29.23 ATOM 4193 O ALA B 238 44.747 34.100 58.591 1.000 29.23 ATOM 4194 N GLY B 239 45.703 36.544 57.722 1.000 29.23 ATOM 4195 C GLY B 239 45.703 36.544 57.722 1.000 29.23 ATOM 4196 C GLY B 239 45.703 36.544 57.722 1.000 29.23 ATOM 4197 O GLY B 239 45.703 36.544 57.722 1.000 29.23 ATOM 4198 N PRO B 240 46.863 31.315 59.190 1.000 29.92 ATOM 4199 C A PRO B 240 46.863 31.315 59.190 1.000 29.92 ATOM 4190 C B PRO B 240 46.763 31.135 59.190 1.000 29.93 ATOM 4191 C B ALA B 238 44.747 34.100 58.531 1.000 29.92 ATOM 4192 C ALA B 239 45.703 36.544 57.722 1.000 26.69 ATOM 4201 C B PRO B 240 46.763 31.135 59.390 1.000 22.49 ATOM 4202 C B PRO B 240 46.863 33.199 59.199 1.000 22.49 ATOM 4203 C PRO B 240 46.235 33.194 61.314 1.000 24.16 ATOM 4204 C B PRO B 240 46.235 33.194 61.314 1.000 24.16 ATOM 4208 C B THR B 241 44.224 31.626 62.317	MOTA	4168	NH1	ARG	В	234	32.325	39.608			
ATOM 4171 O ARG B 234 36.115 40.331 59.418 1.000 48.40 ATOM 4172 N SER B 235 37.061 38.347 59.020 1.000 28.34 ATOM 4173 CA SER B 235 38.421 38.885 59.043 1.000 32.54 ATOM 4174 CB SER B 235 39.279 38.104 60.042 1.000 34.07 ATOM 4175 OG SER B 235 39.279 38.104 60.042 1.000 34.07 ATOM 4176 C SER B 235 39.076 38.841 57.671 1.000 40.54 ATOM 4177 O SER B 235 40.079 38.152 57.421 1.000 36.22 ATOM 4178 N PRO B 236 38.561 39.592 56.707 1.000 42.54 ATOM 4179 CA PRO B 236 38.064 39.383 55.431 1.000 36.22 ATOM 4180 CB PRO B 236 38.093 40.193 54.494 1.000 50.52 ATOM 4181 CG PRO B 236 38.093 40.193 54.494 1.000 50.52 ATOM 4182 CD PRO B 236 37.577 40.675 56.775 1.000 55.25 ATOM 4182 CD PRO B 236 40.491 39.914 55.278 1.000 45.59 ATOM 4184 O PRO B 236 40.491 39.914 55.278 1.000 45.59 ATOM 4186 CA GLY B 237 41.304 39.292 54.422 1.000 34.18 ATOM 4186 CA GLY B 237 42.692 39.734 54.313 1.000 34.68 ATOM 4188 O GLY B 237 42.692 39.734 54.313 1.000 27.98 ATOM 4189 N ALA B 238 42.940 38.405 55.468 1.000 27.98 ATOM 4189 N ALA B 238 42.940 38.405 55.468 1.000 27.98 ATOM 4190 CA ALA B 238 42.940 38.405 57.499 1.000 29.23 ATOM 4191 CB ALA B 238 42.940 38.405 57.499 1.000 29.23 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 24.93 ATOM 4193 O ALA B 238 44.543 36.705 57.090 1.000 24.93 ATOM 4194 N GLY B 239 46.486 35.916 56.220 1.000 23.87 ATOM 4195 CA ALA B 238 44.543 36.705 57.090 1.000 24.93 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 24.93 ATOM 4194 N GLY B 239 45.703 36.544 57.722 1.000 26.54 ATOM 4195 CA GLY B 239 45.930 34.157 58.590 1.000 29.23 ATOM 4194 N GLY B 239 45.703 36.544 57.722 1.000 26.54 ATOM 4195 CA GLY B 239 45.703 36.544 57.722 1.000 26.54 ATOM 4195 CA GLY B 239 45.703 36.544 57.722 1.000 26.59 ATOM 4199 CA PRO B 240 46.756 31.135 59.350 1.000 22.87 ATOM 4196 C GLY B 239 45.703 36.544 57.722 1.000 26.59 ATOM 4199 CA PRO B 240 46.736 31.135 59.350 1.000 22.87 ATOM 4196 C GLY B 239 45.703 36.544 57.722 1.000 26.59 ATOM 4199 CA PRO B 240 46.235 33.194 61.314 1.000 24.16 ATOM 4202 CD PRO B 240 46.235 33.194 61.314 1	MOTA	4169	NH2	ARG	В	234	30.626	38.228	64.671	1.000	46.68
ATOM 4171 O ARG B 234 36.115 40.331 59.418 1.000 48.40 ATOM 4172 N SER B 235 37.061 38.347 59.020 1.000 28.34 ATOM 4173 CA SER B 235 38.421 38.885 59.043 1.000 32.54 ATOM 4174 CB SER B 235 38.421 38.885 59.043 1.000 32.54 ATOM 4175 OG SER B 235 39.279 38.104 60.042 1.000 34.07 ATOM 4176 C SER B 235 39.076 38.841 57.671 1.000 40.54 ATOM 4177 O SER B 235 39.076 38.841 57.671 1.000 40.54 ATOM 4177 O SER B 235 39.076 38.841 57.671 1.000 40.54 ATOM 4178 N PRO B 236 38.004 57.671 1.000 46.53 ATOM 4178 N PRO B 236 38.561 39.592 56.707 1.000 46.53 ATOM 4180 CB PRO B 236 38.093 40.193 55.341 1.000 50.52 ATOM 4181 CG PRO B 236 38.093 40.193 55.494 1.000 50.52 ATOM 4181 CG PRO B 236 37.658 41.297 55.406 1.000 55.25 ATOM 4182 CD PRO B 236 40.491 39.914 55.278 1.000 45.59 ATOM 4183 C PRO B 236 40.491 39.914 55.278 1.000 45.59 ATOM 4184 O PRO B 236 40.491 39.914 55.278 1.000 45.59 ATOM 4186 CA GLY B 237 41.304 39.292 54.22 1.000 33.61 ATOM 4186 CA GLY B 237 41.304 39.292 54.421 1.000 30.68 ATOM 4188 O GLY B 237 42.692 39.734 54.313 1.000 30.68 ATOM 4188 O GLY B 237 42.692 39.734 54.313 1.000 30.696 ATOM 4189 N ALA B 238 42.940 38.400 56.365 1.000 27.98 ATOM 4190 CA ALA B 238 42.940 38.400 56.365 1.000 31.80 ATOM 4191 CB ALA B 238 42.940 38.400 56.365 1.000 31.80 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.23 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.23 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.23 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.23 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.23 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.23 ATOM 4192 C ALA B 238 44.543 36.705 57.090 1.000 29.23 ATOM 4194 N GLY B 239 46.406 35.346 57.425 1.000 26.54 ATOM 4195 CA GLY B 239 46.406 35.346 57.425 1.000 26.54 ATOM 4196 C GLY B 239 46.406 35.346 57.425 1.000 26.59 ATOM 4199 CA ALA B 238 44.747 34.100 58.534 1.000 29.92 ATOM 4196 C GLY B 239 46.406 35.33 1.000 29.92 ATOM 4199 CA PRO B 240 46.235 33.194 61.314 1.000 24.16 ATOM 4201 CG PRO B 240 46.235 33.194 61.314 1.000 24.16 ATOM	ATOM	4170	С	ARG	В	234	35.998	39.117	59.211	1.000	33.22
ATOM 4173 CA SER B 235 37.061 38.347 59.020 1.000 28.34 ATOM 4173 CA SER B 235 38.421 38.895 59.043 1.000 32.54 ATOM 4174 CB SER B 235 39.279 38.104 60.042 1.000 34.07 ATOM 4175 OG SER B 235 39.279 38.104 60.042 1.000 34.54 ATOM 4176 C SER B 235 39.076 38.841 57.671 1.000 40.54 ATOM 4177 O SER B 235 40.079 38.152 57.421 1.000 34.54 ATOM 4178 N PRO B 236 38.561 39.592 56.707 1.000 42.54 ATOM 4179 CA PRO B 236 38.561 39.592 56.707 1.000 42.54 ATOM 4180 CB PRO B 236 38.561 39.592 56.707 1.000 46.53 ATOM 4181 CG PRO B 236 37.658 41.297 55.406 1.000 55.55 ATOM 4181 CG PRO B 236 37.658 41.297 55.406 1.000 55.52 ATOM 4183 C PRO B 236 37.577 40.675 56.775 1.000 50.10 ATOM 4183 C PRO B 236 40.491 39.914 55.278 1.000 43.18 ATOM 4185 N GLY B 237 41.304 39.292 54.422 1.000 34.18 ATOM 4186 CA GLY B 237 41.304 39.292 54.422 1.000 33.61 ATOM 4187 C GLY B 237 42.692 39.734 54.313 1.000 30.68 ATOM 4188 O GLY B 237 44.720 39.537 55.554 1.000 32.98 ATOM 4189 N ALA B 238 42.940 38.440 56.365 1.000 31.80 ATOM 4190 CA ALA B 238 42.940 38.440 56.365 1.000 29.23 ATOM 4191 CB ALA B 238 42.706 37.471 58.590 1.000 29.23 ATOM 4191 CB ALA B 238 44.543 36.705 57.499 1.000 29.23 ATOM 4193 O ALA B 238 44.543 36.705 57.499 1.000 29.23 ATOM 4194 N GLY B 239 45.930 34.157 58.191 1.000 26.64 ATOM 4195 CA GLY B 239 45.930 34.157 58.191 1.000 26.65 ATOM 4196 C GLY B 239 46.486 35.346 57.425 1.000 26.59 ATOM 4197 O GLY B 239 46.486 35.346 57.425 1.000 26.59 ATOM 4199 CA PRO B 240 46.756 31.185 59.350 1.000 22.49 ATOM 4196 C GLY B 239 46.486 35.346 57.425 1.000 26.59 ATOM 4197 O GLY B 239 46.486 35.346 57.425 1.000 26.59 ATOM 4196 C GLY B 239 46.486 35.346 57.425 1.000 26.59 ATOM 4197 O GLY B 239 46.486 35.346 57.425 1.000 26.59 ATOM 4196 C GLY B 239 46.486 35.346 57.425 1.000 26.59 ATOM 4197 O GLY B 239 46.486 35.346 57.425 1.000 26.59 ATOM 4196 C GLY B 239 46.486 35.346 57.425 1.000 26.59 ATOM 4200 CB PRO B 240 46.235 33.194 61.314 1.000 22.49 ATOM 4201 CG PRO B 240 46.235 33.194 61.314 1.000 22.49 ATOM 4202 CD PRO B 240 46.235 33.194 61.314 1.000	ATOM	4171	0	ARG	В	234	36.115	40.331	59.418	1.000	48.40
ATOM 4174 CB SER B 235 39.279 38.104 60.042 1.000 34.07 ATOM 4175 OG SER B 235 38.666 38.004 61.314 1.000 34.54 ATOM 4176 C SER B 235 38.666 38.004 61.314 1.000 34.54 ATOM 4177 O SER B 235 39.076 38.841 57.671 1.000 40.54 ATOM 4177 O SER B 235 40.079 38.152 57.421 1.000 36.22 ATOM 4178 N PRO B 236 38.561 39.592 56.707 1.000 42.54 ATOM 4179 CA PRO B 236 38.064 39.383 55.4494 1.000 50.52 ATOM 4180 CB PRO B 236 37.658 41.297 55.406 1.000 55.25 ATOM 4181 CG PRO B 236 37.658 41.297 55.406 1.000 55.25 ATOM 4182 CD PRO B 236 37.577 40.675 56.775 1.000 50.10 ATOM 4183 C PRO B 236 40.815 40.861 56.008 1.000 34.18 ATOM 4186 O PRO B 236 40.815 40.861 56.008 1.000 34.18 ATOM 4186 CA GLY B 237 41.304 39.292 54.422 1.000 33.61 ATOM 4188 O GLY B 237 42.692 39.734 54.313 1.000 30.68 ATOM 4188 O GLY B 237 44.720 39.537 55.554 1.000 27.98 ATOM 4189 N ALA B 238 42.940 38.440 56.365 1.000 31.80 ATOM 4190 CA ALA B 238 42.940 38.440 56.365 1.000 31.80 ATOM 4191 CB ALA B 238 42.706 37.471 58.590 1.000 24.93 ATOM 4191 CB ALA B 238 42.706 37.471 58.590 1.000 24.93 ATOM 4193 O ALA B 238 44.543 36.705 57.090 1.000 24.93 ATOM 4194 N GLY B 239 45.703 36.544 57.722 1.000 26.54 ATOM 4195 CA GLY B 239 45.703 36.544 57.722 1.000 26.69 ATOM 4196 C GLY B 239 45.703 36.544 57.722 1.000 26.54 ATOM 4197 O GLY B 239 45.703 36.544 57.722 1.000 26.54 ATOM 4199 CA PRO B 240 46.306 31.999 59.199 1.000 22.92 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 24.93 ATOM 4195 CA GLY B 239 45.703 36.544 57.722 1.000 26.54 ATOM 4196 C GLY B 239 45.703 36.546 57.425 1.000 26.59 ATOM 4197 O GLY B 239 45.703 36.544 57.722 1.000 26.59 ATOM 4198 N PRO B 240 46.306 31.999 59.199 1.000 22.49 ATOM 4199 CA PRO B 240 46.306 31.999 59.199 1.000 22.49 ATOM 4200 CB PRO B 240 46.306 31.999 59.199 1.000 22.49 ATOM 4201 CG PRO B 240 46.235 33.140 58.223 1.000 25.93 ATOM 4202 CD PRO B 240 46.235 33.194 61.314 1.000 26.93 ATOM 4203 C PRO B 240 46.235 33.194 61.314 1.000 27.93 ATOM 4204 O PRO B 240 46.235 33.194 61.314 1.000 27.93 ATOM 4206 CA THR B 241 44.224 31.620 62.317 1.0		4172	N	SER	В	235	37.061	38.347	59.020	1.000	28.34
ATOM 4174 CB SER B 235 39.279 38.104 60.042 1.000 34.07 ATOM 4175 OG SER B 235 38.666 38.004 61.314 1.000 34.54 ATOM 4176 C SER B 235 40.079 38.152 57.421 1.000 36.22 ATOM 4177 O SER B 235 40.079 38.152 57.421 1.000 36.22 ATOM 4178 N PRO B 236 38.561 39.592 56.707 1.000 42.54 ATOM 4179 CA PRO B 236 38.064 39.383 55.341 1.000 46.53 ATOM 4180 CB PRO B 236 38.093 40.193 54.494 1.000 50.52 ATOM 4181 CG PRO B 236 37.658 41.297 55.406 1.000 50.52 ATOM 4182 CD PRO B 236 37.658 41.297 55.406 1.000 50.52 ATOM 4183 C PRO B 236 40.491 39.914 55.278 1.000 45.59 ATOM 4184 O PRO B 236 40.491 39.914 55.278 1.000 45.59 ATOM 4185 N GLY B 237 41.304 39.292 54.422 1.000 33.61 ATOM 4186 CA GLY B 237 42.692 39.734 54.131 1.000 30.68 ATOM 4187 C GLY B 237 42.692 39.734 54.131 1.000 30.68 ATOM 4188 O GLY B 237 42.692 39.734 54.313 1.000 30.68 ATOM 4189 N ALA B 238 42.940 38.440 56.365 1.000 31.80 ATOM 4190 CA ALA B 238 42.940 38.440 56.365 1.000 31.80 ATOM 4191 CB ALA B 238 42.940 38.440 56.365 1.000 29.23 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.82 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.82 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.82 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.82 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.82 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.82 ATOM 4194 N GLY B 239 45.703 36.544 57.722 1.000 26.69 ATOM 4195 CA GLY B 239 46.486 35.346 57.425 1.000 23.87 ATOM 4199 CA PRO B 240 46.306 31.999 59.199 1.000 22.49 ATOM 4199 CA PRO B 240 46.306 31.999 59.199 1.000 22.49 ATOM 4199 CA PRO B 240 46.306 31.999 59.199 1.000 22.49 ATOM 4198 N PRO B 240 46.775 33.188 58.496 1.000 27.91 ATOM 4200 CB PRO B 240 46.235 33.140 58.231 1.000 26.63 ATOM 4204 O PRO B 240 46.235 33.194 61.314 1.000 27.91 ATOM 4202 CD PRO B 240 46.235 33.194 61.314 1.000 27.91 ATOM 4202 CD PRO B 240 46.235 33.194 61.314 1.000 22.49 ATOM 4204 O PRO B 240 46.235 33.194 61.314 1.000 22.49 ATOM 4204 O PRO B 240 46.235 33.194 61.314 1.000 22.49 ATOM 4204 O PRO B 240 46.235 33.194 61.314 1	ATOM	4173	CA	SER	В	235	38.421	38.885	59.043	1.000	32.54
ATOM 4175 OG SER B 235 38.666 38.004 61.314 1.000 34.54 ATOM 4176 C SER B 235 39.076 38.841 57.671 1.000 40.54 ATOM 4177 O SER B 235 40.079 38.152 57.421 1.000 36.22 ATOM 4178 N PRO B 236 38.561 39.592 56.707 1.000 42.54 ATOM 4179 CA PRO B 236 38.093 40.193 54.494 1.000 50.52 ATOM 4180 CB PRO B 236 38.093 40.193 54.494 1.000 50.52 ATOM 4181 CG PRO B 236 37.658 41.297 55.406 1.000 50.52 ATOM 4182 CD PRO B 236 37.658 41.297 55.406 1.000 50.52 ATOM 4183 C PRO B 236 40.491 39.914 55.278 1.000 45.59 ATOM 4184 O PRO B 236 40.491 39.914 55.278 1.000 45.59 ATOM 4185 N GLY B 237 41.304 39.292 54.422 1.000 33.61 ATOM 4186 CA GLY B 237 42.692 39.734 54.313 1.000 30.68 ATOM 4188 O GLY B 237 42.692 39.734 54.313 1.000 30.68 ATOM 4188 O GLY B 237 44.720 39.537 55.554 1.000 36.96 ATOM 4190 CA ALA B 238 42.940 38.440 56.365 1.000 31.80 ATOM 4191 CB ALA B 238 42.706 37.471 58.590 1.000 29.23 ATOM 4191 CB ALA B 238 44.543 36.705 57.090 1.000 29.23 ATOM 4193 O ALA B 238 44.5703 36.544 57.722 1.000 29.82 ATOM 4199 CA GLY B 237 45.703 36.544 57.722 1.000 29.82 ATOM 4199 CA BLA B 238 44.178 35.916 56.220 1.000 29.82 ATOM 4199 CA BLA B 238 44.178 35.916 56.220 1.000 29.82 ATOM 4199 CA BLA B 238 44.543 36.705 57.990 1.000 29.92 ATOM 4199 CA BLA B 238 44.570 37.471 58.590 1.000 29.92 ATOM 4199 CA BLA B 238 44.573 36.544 57.722 1.000 26.54 ATOM 4199 CA BLA B 238 44.573 36.544 57.722 1.000 26.54 ATOM 4199 CA BLA B 238 44.178 35.916 56.220 1.000 29.92 ATOM 4199 CA BLA B 239 45.703 36.544 57.722 1.000 26.51 ATOM 4190 CA BLA B 238 44.178 35.916 56.220 1.000 22.49 ATOM 4190 CA BLA B 238 44.178 35.916 56.220 1.000 22.49 ATOM 4190 CA BLA B 238 44.178 35.916 56.220 1.000 22.49 ATOM 4200 CB PRO B 240 46.306 31.999 59.199 1.000 22.49 ATOM 4201 CG PRO B 240 46.306 31.999 59.199 1.000 22.49 ATOM 4202 CD PRO B 240 46.306 31.999 59.199 1.000 22.49 ATOM 4203 C PRO B 240 46.235 33.140 58.223 1.000 26.81 ATOM 4204 O PRO B 240 46.235 33.140 58.223 1.000 26.61 ATOM 4208 OG1 THR B 241 44.224 31.620 62.317 1.000 18.88 ATOM 4208 OG1 THR B 241 44.224 31.620 6		4174	СВ	SER	В	235	39.279	38.104	60.042	1.000	34.07
ATOM 4176 C SER B 235			OG	SER	В	235	38.666	38.004	61.314	1.000	34.54
ATOM 4177 O SER B 235			С	SER	В	235	39.076	38.841	57.671	1.000	40.54
ATOM 4178 N PRO B 236 38.561 39.592 56.707 1.000 42.54 ATOM 4179 CA PRO B 236 39.064 39.383 55.341 1.000 46.53 ATOM 4180 CB PRO B 236 38.093 40.193 55.4494 1.000 50.52 ATOM 4181 CG PRO B 236 37.577 40.675 56.775 1.000 50.10 ATOM 4183 C PRO B 236 40.491 39.914 55.278 1.000 45.59 ATOM 4184 O PRO B 236 40.815 66.008 1.000 34.18 ATOM 4185 N GLY B 237 41.304 39.292 54.422 1.000 30.68 ATOM 4186 CA GLY B 237 42.692 39.734 54.313 1.000 30.68 ATOM 4188 O GLY B 237 44.720 39.537 55.554 1.000 30.68 ATOM 4188 O GLY B 237 44.720 39.537 55.554 1.000 30.69 ATOM 4190 CA ALA B 238 42.940 38.440 56.365 1.000 24.93 ATOM 4191 CB ALA B 238 42.706 37.471 58.590 1.000 29.23 ATOM 4192 C ALA B 238 44.178 35.916 56.220 1.000 29.82 ATOM 4193 CA GLY B 239 45.930 34.157 58.191 1.000 26.54 ATOM 4195 CA GLY B 239 45.930 34.157 58.191 1.000 26.81 ATOM 4197 O GLY B 239 46.486 35.346 57.422 1.000 26.54 ATOM 4198 N PRO B 240 46.306 31.999 59.199 1.000 22.37 ATOM 4199 CA PRO B 240 46.306 31.999 59.199 1.000 22.37 ATOM 4199 CA PRO B 240 46.775 33.188 58.496 1.000 26.54 ATOM 4199 CA PRO B 240 46.306 31.999 59.199 1.000 22.97 ATOM 4199 CA PRO B 240 46.306 31.999 59.199 1.000 22.87 ATOM 4190 CB PRO B 240 46.306 31.999 59.199 1.000 22.87 ATOM 4200 CB PRO B 240 46.336 33.194 61.314 1.000 27.91 ATOM 4201 CG PRO B 240 46.235 33.194 61.314 1.000 27.91 ATOM 4202 CD PRO B 240 46.235 33.194 61.314 1.000 27.91 ATOM 4203 C PRO B 240 46.235 33.194 61.314 1.000 27.91 ATOM 4204 O PRO B 240 46.235 33.194 61.314 1.000 27.91 ATOM 4205 N THR B 241 44.723 31.581 60.949 1.000 27.93 ATOM 4206 CA THR B 241 44.723 31.581 60.949 1.000 27.93 ATOM 4207 CB THR B 241 44.723 31.581 60.949 1.000 27.93 ATOM 4208 OG1 THR B 241 44.224 31.620 62.317 1.000 18.48 ATOM 4207 CB THR B 241 44.224 31.620 62.317 1.000 18.48 ATOM 4208 OG1 THR B 241 44.228 31.008 63.823 1.000 26.66				SER	В	235	40.079	38.152	57.421	1.000	36.22
ATOM 4180 CB PRO B 236 39.064 39.383 55.341 1.000 46.53 ATOM 4181 CG PRO B 236 38.093 40.193 54.494 1.000 50.52 ATOM 4181 CG PRO B 236 37.658 41.297 55.406 1.000 55.25 ATOM 4182 CD PRO B 236 37.658 41.297 55.406 1.000 50.10 ATOM 4183 C PRO B 236 40.491 39.914 55.278 1.000 45.59 ATOM 4184 O PRO B 236 40.815 40.861 56.008 1.000 34.18 ATOM 4185 N GLY B 237 41.304 39.292 54.422 1.000 33.61 ATOM 4186 CA GLY B 237 43.533 39.226 55.468 1.000 27.98 ATOM 4188 O GLY B 237 43.533 39.226 55.468 1.000 27.98 ATOM 4189 N ALA B 238 42.940 38.440 56.365 1.000 36.96 ATOM 4190 CA ALA B 238 42.940 38.440 56.365 1.000 31.80 ATOM 4191 CB ALA B 238 42.940 38.440 56.365 1.000 24.93 ATOM 4192 C ALA B 238 44.543 36.705 57.090 1.000 24.93 ATOM 4193 O ALA B 238 44.178 35.916 56.220 1.000 24.93 ATOM 4194 N GLY B 239 45.703 36.544 57.722 1.000 26.69 ATOM 4195 CA GLY B 239 45.930 34.157 58.191 1.000 26.81 ATOM 4197 O GLY B 239 45.930 34.157 58.191 1.000 26.81 ATOM 4199 CA PRO B 240 46.306 31.999 59.350 1.000 22.97 ATOM 4199 CA PRO B 240 46.775 33.188 58.496 1.000 29.92 ATOM 4191 CG PRO B 240 46.306 31.999 59.350 1.000 22.49 ATOM 4190 CA PRO B 240 46.306 31.999 59.350 1.000 22.49 ATOM 4191 CG PRO B 240 46.306 31.999 59.350 1.000 22.49 ATOM 4192 C PRO B 240 46.306 31.999 59.350 1.000 22.49 ATOM 4200 CB PRO B 240 46.306 31.999 59.350 1.000 22.49 ATOM 4201 CG PRO B 240 46.306 31.999 59.350 1.000 22.49 ATOM 4202 CD PRO B 240 46.235 33.140 58.223 1.000 26.31 ATOM 4203 C PRO B 240 48.509 31.669 58.321 1.000 27.01 ATOM 4204 O PRO B 240 46.235 33.140 58.223 1.000 25.31 ATOM 4205 N THR B 241 44.723 31.581 60.949 1.000 27.93 ATOM 4206 CA THR B 241 44.723 31.581 60.949 1.000 27.93 ATOM 4206 CA THR B 241 44.224 31.620 62.317 1.000 18.48 ATOM 4207 CB THR B 241 44.224 31.620 62.317 1.000 18.48 ATOM 4208 CG1 THR B 241 44.228 31.008 63.823 1.000 26.66			N				38.561	39.592	56.707	1.000	42.54
ATOM 4180 CB PRO B 236							39.064	39.383	55.341	1.000	46.53
ATOM 4181 CG PRO B 236				PRO			38.093	40.193	54.494	1.000	50.52
ATOM 4182 CD PRO B 236				PRO			37.658	41.297	55.406	1.000	55.25
ATOM 4183 C PRO B 236									56.775	1.000	50.10
ATOM 4184 O PRO B 236								39.914	55.278	1.000	45.59
ATOM 4185 N GLY B 237								40.861	56.008	1.000	34.18
ATOM 4186 CA GLY B 237								39.292	54.422	1.000	33.61
ATOM 4187 C GLY B 237								39.734	54.313	1.000	30.68
ATOM 4188 O GLY B 237								39.226	55.468	1.000	27.98
ATOM 4189 N ALA B 238 42.940 38.440 56.365 1.000 31.80 ATOM 4190 CA ALA B 238 43.680 37.890 57.499 1.000 29.23 ATOM 4191 CB ALA B 238 42.706 37.471 58.590 1.000 24.93 ATOM 4192 C ALA B 238 44.543 36.705 57.090 1.000 29.82 ATOM 4193 O ALA B 238 44.178 35.916 56.220 1.000 23.87 ATOM 4194 N GLY B 239 45.703 36.544 57.722 1.000 26.54 ATOM 4195 CA GLY B 239 45.703 36.544 57.722 1.000 26.69 ATOM 4196 C GLY B 239 45.930 34.157 58.191 1.000 26.81 ATOM 4197 O GLY B 239 44.747 34.100 58.534 1.000 29.92 ATOM 4198 N PRO B 240 46.775 33.188 58.496 1.000 20.79 ATOM 4199 CA PRO B 240 46.306 31.999 59.199 1.000 22.49 ATOM 4200 CB PRO B 240 47.566 31.135 59.350 1.000 22.49 ATOM 4200 CB PRO B 240 48.509 31.669 58.321 1.000 27.01 ATOM 4202 CD PRO B 240 48.509 31.669 58.321 1.000 27.01 ATOM 4202 CD PRO B 240 46.235 33.140 58.223 1.000 26.31 ATOM 4203 C PRO B 240 46.235 33.194 61.314 1.000 27.93 ATOM 4205 N THR B 241 44.723 31.581 60.949 1.000 27.93 ATOM 4206 CA THR B 241 44.723 31.581 60.949 1.000 27.93 ATOM 4207 CB THR B 241 44.224 31.620 62.317 1.000 27.93 ATOM 4208 OG1 THR B 241 44.224 31.620 62.317 1.000 27.93 ATOM 4208 OG1 THR B 241 44.224 31.620 62.317 1.000 18.48 ATOM 4209 CG2 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4209 CG2 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4209 CG2 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4200 C THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4200 C THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4200 C THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4200 C THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4200 C THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4200 C THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4200 C THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4200 C THR B 241 42.286 31.088 63.823 1.000 26.66									55.554	1.000	36.96
ATOM 4190 CA ALA B 238									56.365	1.000	31.80
ATOM 4191 CB ALA B 238 42.706 37.471 58.590 1.000 24.93 ATOM 4192 C ALA B 238 44.543 36.705 57.090 1.000 29.82 ATOM 4193 O ALA B 238 44.178 35.916 56.220 1.000 23.87 ATOM 4194 N GLY B 239 45.703 36.544 57.722 1.000 26.54 ATOM 4195 CA GLY B 239 46.486 35.346 57.425 1.000 26.69 ATOM 4196 C GLY B 239 45.930 34.157 58.191 1.000 26.81 ATOM 4197 O GLY B 239 44.747 34.100 58.534 1.000 29.92 ATOM 4198 N PRO B 240 46.775 33.188 58.496 1.000 20.79 ATOM 4199 CA PRO B 240 46.306 31.999 59.199 1.000 22.49 ATOM 4200 CB PRO B 240 47.566 31.135 59.350 1.000 22.87 ATOM 4201 CG PRO B 240 48.509 31.669 58.321 1.000 27.01 ATOM 4202 CD PRO B 240 48.509 31.669 58.321 1.000 27.01 ATOM 4203 C PRO B 240 48.23 33.140 58.223 1.000 26.31 ATOM 4204 O PRO B 240 46.235 33.194 61.314 1.000 25.93 ATOM 4205 N THR B 241 44.723 31.581 60.949 1.000 27.93 ATOM 4206 CA THR B 241 44.723 31.581 60.949 1.000 27.93 ATOM 4207 CB THR B 241 44.224 31.620 62.317 1.000 18.48 ATOM 4208 OG1 THR B 241 44.224 31.008 63.823 1.000 20.63 ATOM 4208 OG1 THR B 241 44.224 31.008 63.823 1.000 20.63 ATOM 4209 CG2 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4209 CG2 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4201 C THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4201 C THR B 241 42.286 31.088 63.823 1.000 21.94									57.499	1.000	29.23
ATOM 4192 C ALA B 238									58.590	1.000	24.93
ATOM 4193 O ALA B 238 44.178 35.916 56.220 1.000 23.87 ATOM 4194 N GLY B 239 45.703 36.544 57.722 1.000 26.54 ATOM 4195 CA GLY B 239 46.486 35.346 57.425 1.000 26.69 ATOM 4196 C GLY B 239 45.930 34.157 58.191 1.000 26.81 ATOM 4197 O GLY B 239 44.747 34.100 58.534 1.000 29.92 ATOM 4198 N PRO B 240 46.775 33.188 58.496 1.000 20.79 ATOM 4199 CA PRO B 240 46.306 31.999 59.199 1.000 22.49 ATOM 4200 CB PRO B 240 47.566 31.135 59.350 1.000 22.87 ATOM 4201 CG PRO B 240 48.509 31.669 58.321 1.000 27.01 ATOM 4202 CD PRO B 240 48.509 31.669 58.321 1.000 27.01 ATOM 4203 C PRO B 240 45.763 32.328 60.583 1.000 25.93 ATOM 4204 O PRO B 240 45.763 32.328 60.583 1.000 25.93 ATOM 4205 N THR B 241 44.723 31.581 60.949 1.000 27.93 ATOM 4206 CA THR B 241 44.723 31.581 60.949 1.000 27.93 ATOM 4207 CB THR B 241 44.224 31.620 62.317 1.000 18.48 ATOM 4208 OG1 THR B 241 42.791 31.078 62.389 1.000 20.63 ATOM 4208 OG1 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4209 CG2 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4209 CG2 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4210 C THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4210 C THR B 241 45.177 30.793 63.182 1.000 26.66								36.705	57.090	1.000	29.82
ATOM 4194 N GLY B 239								35.916	56.220	1.000	23.87
ATOM 4195 CA GLY B 239								36.544	57.722	1.000	26.54
ATOM 4196 C GLY B 239									57.425	1.000	26.69
ATOM 4197 O GLY B 239 44.747 34.100 58.534 1.000 29.92 ATOM 4198 N PRO B 240 46.775 33.188 58.496 1.000 20.79 ATOM 4199 CA PRO B 240 46.306 31.999 59.199 1.000 22.49 ATOM 4200 CB PRO B 240 47.566 31.135 59.350 1.000 22.87 ATOM 4201 CG PRO B 240 48.509 31.669 58.321 1.000 27.01 ATOM 4202 CD PRO B 240 48.223 33.140 58.223 1.000 26.31 ATOM 4203 C PRO B 240 45.763 32.328 60.583 1.000 25.93 ATOM 4204 O PRO B 240 46.235 33.194 61.314 1.000 24.16 ATOM 4205 N THR B 241 44.723 31.581 60.949 1.000 27.93 ATOM 4206 CA THR B 241 44.723 31.581 60.949 1.000 27.93 ATOM 4207 CB THR B 241 44.224 31.620 62.317 1.000 18.48 ATOM 4208 OG1 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4209 CG2 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4210 C THR B 241 45.177 30.793 63.182 1.000 26.66							45.930	34.157			26.81
ATOM 4198 N PRO B 240								34.100	58.534	1.000	29.92
ATOM 4199 CA PRO B 240 46.306 31.999 59.199 1.000 22.49 ATOM 4200 CB PRO B 240 47.566 31.135 59.350 1.000 22.87 ATOM 4201 CG PRO B 240 48.509 31.669 58.321 1.000 27.01 ATOM 4202 CD PRO B 240 48.223 33.140 58.223 1.000 26.31 ATOM 4203 C PRO B 240 45.763 32.328 60.583 1.000 25.93 ATOM 4204 O PRO B 240 46.235 33.194 61.314 1.000 24.16 ATOM 4205 N THR B 241 44.723 31.581 60.949 1.000 27.93 ATOM 4206 CA THR B 241 44.224 31.620 62.317 1.000 18.48 ATOM 4207 CB THR B 241 42.791 31.078 62.389 1.000 20.63 ATOM 4208 OG1 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4209 CG2 THR B 241 45.177 30.793 63.182 1.000 26.66									58.496	1.000	20.79
ATOM 4200 CB PRO B 240 47.566 31.135 59.350 1.000 22.87 ATOM 4201 CG PRO B 240 48.509 31.669 58.321 1.000 27.01 ATOM 4202 CD PRO B 240 48.223 33.140 58.223 1.000 26.31 ATOM 4203 C PRO B 240 45.763 32.328 60.583 1.000 25.93 ATOM 4204 O PRO B 240 46.235 33.194 61.314 1.000 24.16 ATOM 4205 N THR B 241 44.723 31.581 60.949 1.000 27.93 ATOM 4206 CA THR B 241 44.224 31.620 62.317 1.000 18.48 ATOM 4207 CB THR B 241 42.791 31.078 62.389 1.000 20.63 ATOM 4208 OG1 THR B 241 41.906 31.922 61.633 1.000 18.88 ATOM 4209 CG2 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4210 C THR B 241 45.177 30.793 63.182 1.000 26.66			CA	PRO	В	240	46.306	31.999	59.199	1.000	22.49
ATOM 4201 CG PRO B 240 48.509 31.669 58.321 1.000 27.01 ATOM 4202 CD PRO B 240 48.223 33.140 58.223 1.000 26.31 ATOM 4203 C PRO B 240 45.763 32.328 60.583 1.000 25.93 ATOM 4204 O PRO B 240 46.235 33.194 61.314 1.000 24.16 ATOM 4205 N THR B 241 44.723 31.581 60.949 1.000 27.93 ATOM 4206 CA THR B 241 44.224 31.620 62.317 1.000 18.48 ATOM 4207 CB THR B 241 42.791 31.078 62.389 1.000 20.63 ATOM 4208 OG1 THR B 241 41.906 31.922 61.633 1.000 18.88 ATOM 4209 CG2 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4210 C THR B 241 45.177 30.793 63.182 1.000 26.66											
ATOM 4202 CD PRO B 240 48.223 33.140 58.223 1.000 26.31 ATOM 4203 C PRO B 240 45.763 32.328 60.583 1.000 25.93 ATOM 4204 O PRO B 240 46.235 33.194 61.314 1.000 24.16 ATOM 4205 N THR B 241 44.723 31.581 60.949 1.000 27.93 ATOM 4206 CA THR B 241 44.224 31.620 62.317 1.000 18.48 ATOM 4207 CB THR B 241 42.791 31.078 62.389 1.000 20.63 ATOM 4208 OG1 THR B 241 41.906 31.922 61.633 1.000 18.88 ATOM 4209 CG2 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4210 C THR B 241 45.177 30.793 63.182 1.000 26.66									58.321	1.000	27.01
ATOM 4203 C PRO B 240 45.763 32.328 60.583 1.000 25.93 ATOM 4204 O PRO B 240 46.235 33.194 61.314 1.000 24.16 ATOM 4205 N THR B 241 44.723 31.581 60.949 1.000 27.93 ATOM 4206 CA THR B 241 44.224 31.620 62.317 1.000 18.48 ATOM 4207 CB THR B 241 42.791 31.078 62.389 1.000 20.63 ATOM 4208 OG1 THR B 241 41.906 31.922 61.633 1.000 18.88 ATOM 4209 CG2 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4210 C THR B 241 45.177 30.793 63.182 1.000 26.66									58.223	1.000	26.31
ATOM 4204 O PRO B 240 46.235 33.194 61.314 1.000 24.16 ATOM 4205 N THR B 241 44.723 31.581 60.949 1.000 27.93 ATOM 4206 CA THR B 241 44.224 31.620 62.317 1.000 18.48 ATOM 4207 CB THR B 241 42.791 31.078 62.389 1.000 20.63 ATOM 4208 OG1 THR B 241 41.906 31.922 61.633 1.000 18.88 ATOM 4209 CG2 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4210 C THR B 241 45.177 30.793 63.182 1.000 26.66									60.583	1.000	25.93
ATOM 4205 N THR B 241 44.723 31.581 60.949 1.000 27.93 ATOM 4206 CA THR B 241 44.224 31.620 62.317 1.000 18.48 ATOM 4207 CB THR B 241 42.791 31.078 62.389 1.000 20.63 ATOM 4208 OG1 THR B 241 41.906 31.922 61.633 1.000 18.88 ATOM 4209 CG2 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4210 C THR B 241 45.177 30.793 63.182 1.000 26.66			0						61.314	1.000	24.16
ATOM 4206 CA THR B 241 44.224 31.620 62.317 1.000 18.48 ATOM 4207 CB THR B 241 42.791 31.078 62.389 1.000 20.63 ATOM 4208 OG1 THR B 241 41.906 31.922 61.633 1.000 18.88 ATOM 4209 CG2 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4210 C THR B 241 45.177 30.793 63.182 1.000 26.66									60.949	1.000	27.93
ATOM 4207 CB THR B 241 42.791 31.078 62.389 1.000 20.63 ATOM 4208 OG1 THR B 241 41.906 31.922 61.633 1.000 18.88 ATOM 4209 CG2 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4210 C THR B 241 45.177 30.793 63.182 1.000 26.66											
ATOM 4208 OG1 THR B 241 41.906 31.922 61.633 1.000 18.88 ATOM 4209 CG2 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4210 C THR B 241 45.177 30.793 63.182 1.000 26.66											
ATOM 4209 CG2 THR B 241 42.286 31.088 63.823 1.000 21.94 ATOM 4210 C THR B 241 45.177 30.793 63.182 1.000 26.66											
ATOM 4210 C THR B 241 45.177 30.793 63.182 1.000 26.66											

MOTA	4212	N	VAL	₿	242	45.693	31.386	64.249		
MOTA	4213	CA	VAL	В	242	46.571	30.686	65.183		20.09
MOTA	4214	CB	VAL	В	242	47.476	31.650	65.969	1.000	
ATOM	4215		VAL		242	47.993	30.997	67.245	1.000	
MOTA	4216	CG2	VAL	В	242	48.652	32.105	65.118	1.000	18.35
ATOM	4217	С	VAL	В	242	45.745	29.871	66.171		21.82
MOTA	4218	0	VAL	В	242	44.763	30.387	66.707	1.000	
MOTA	4219	N	VAL	В	243	46.124	28.618	66.415	1.000	
ATOM	4220	CA	VAL	В	243	45.444	27.807	67.426		16.94
MOTA	4221	СВ	VAL	В	243	44.512	26.759	66.797	1.000	22.95
MOTA	4222	CG1	VAL	В	243	43.664	26.072	67.863	1.000	26.25
ATOM	4223	CG2	VAL	В	243	43.612	27.396	65.744	1.000	15.21
ATOM	4224	С	VAL	В	243	46.477	27.132	68.314	1.000	19.30
MOTA	4225	0	VAL	В	243	47.444	26.568	67.807	1.000	19.80
ATOM	4226	N	HIS	В	244	46.315	27.189	69.642	1.000	17.73
MOTA	4227	CA	HIS	В	244	47.275	26.507	70.500	1.000	23.12
MOTA	4228	СВ	HIS	В	244	48.487	27.365	70.842	1.000	20.11
ATOM	4229	CG	HIS	В	244	48.250	28.450	71.842	1.000	20.40
ATOM	4230		HIS			48.315	28.263	73.200	1.000	23.45
ATOM	4231		HIS		244	48.067	29.396	73.828	1.000	22.23
ATOM	4232		HIS			47.850	30.330	72.921	1.000	22.87
ATOM	4233		HIS			47.962	29.762	71.675	1.000	18.95
ATOM	4234	С	HIS		244	46.582	26.046	71.783	1.000	26.22
ATOM	4235	0	HIS		244	45.501	26.501	72.131		
ATOM	4236	N	CYS		245	47.252	25.119	72.440		
ATOM	4237	CA			245	46.907	24.642	73.777		
ATOM	4238	СВ			245	46.233	23.282	73.751		
ATOM	4239	SG	CYS			47.070	21.959	72.834	1.000	
ATOM	4240	C	CYS			48.229	24.655	74.539	1.000	
ATOM	4241	0	CYS		245	48.948	25.667	74.457	1.000	29.70
MOTA	4242	N	SER		246	48.559	23.571	75.231		
ATOM	4243	CA	SER			49.846	23.537	75.921		
ATOM	4244	СВ	SER			49.839	22.627	77.146		
ATOM	4245	OG	SER			51.066	22.797	77.853		
ATOM	4246	C	SER			50.934	23.087	74.951	1.000	
ATOM	4247	0	SER			51.940	23.789	74.856	1.000	33.31
MOTA	4248	N	ALA			50.731	21.962	74.259		18.83
ATOM	4249	CA	ALA			51.743	21.518	73.314		15.18
ATOM	4250	CB	ALA			52.036	20.041		1.000	17.96
ATOM	4251	C	ALA			51.363	21.733	71.851		
ATOM	4252	0	ALA			52.187	21.474	70.959		
ATOM	4253	N	GLY			50.146	22.178	71.569		
	4254	CA	GLY			49.642	22.228	70.206		
ATOM ATOM	4255	C	GLY			49.312	20.840	69.659		
	4256	0	GLY			49.670	20.541	68.517		
ATOM	4250	N	VAL			48.635	19.983	70.414		
ATOM	4257	CA	VAL			48.393	18.586	70.073		
ATOM			VAL			49.048	17.670	71.137		
ATOM	4259	CB CC1	VAL			50.523	17.496	70.828		
ATOM	4260					48.858	18.238	72.545		
ATOM	4261		VAL			46.931	18.172	69.964		
ATOM	4262	С	VAL					68.930		
ATOM	4263	0	VAL	¤	249	46.301	18.395	00.930	1.000	40.03

ATOM	4264	N	GLY			46.392	17.537	71.003		
MOTA	4265	CA	GLY	В	250	45.069	16.957	71.039	1.000	
MOTA	4266	С	GLY	В	250	43.943	17.966	70.997	1.000	24.67
ATOM	4267	0	GLY	В	250	43.137	17.979	70.063	1.000	30.05
MOTA	4268	N	ARG	В	251	43.872	18.828	72.003	1.000	16.63
MOTA	4269	CA	ARG	В	251	42.869	19.882	72.038	1.000	19.31
MOTA	4270	CB	ARG		251	43.124	20.810	73.240	1.000	16.91
ATOM	4271	CG	ARG		251	43.429	20.052	74.521	1.000	25.85
ATOM	4272	CD	ARG		251	43.443	21.003	75.708	1.000	27.38
ATOM	4273	NE	ARG		251	43.437	20.283	76.974	1.000	
ATOM	4274	CZ	ARG		251	43.500	20.852	78.167	1.000	
MOTA	4275		ARG		251	43.577	22.171	78.279		
ATOM	4276		ARG		251	43.485	20.081	79.246		
ATOM	4277	C	ARG		251	42.857	20.719	70.764	1.000	
ATOM	4278	0	ARG		251	41.814	20.925	70.142		37.10
ATOM	4279	N	THR		252	44.023	21.228	70.372		
	4279	CA	THR		252	44.120	22.091		1.000	
ATOM			THR		252	45.571	22.546	68.965		
ATOM	4281	CB			252	45.903	23.531	69.956		
MOTA	4282	OG1	THR					67.600		15.93
ATOM	4283	CG2	THR		252	45.734	23.196 21.357	67.965	1.000	20.90
ATOM	4284	C	THR		252	43.631		67.170		
ATOM	4285	0	THR		252	42.825	21.833	67.819		
ATOM	4286	N	GLY		253	44.161	20.145	66.642		
ATOM	4287	CA	GLY		253	43.796	19.353	66.705		
ATOM	4288	С	GLY		253	42.313	19.031	65.663		
MOTA	4289	0	GLY			41.682	18.906			
ATOM	4290	N	THR			41.803	18.914	67.932 68.136	1.000	
ATOM	4291	CA	THR		254	40.382	18.631			
ATOM	4292	CB	THR		254	40.052	18.236	69.589		
ATOM	4293	OG1	THR		254	40.646	16.971		1.000	
ATOM	4294	CG2	THR		254	38.553	18.043			
ATOM	4295	С	THR			39.560	19.849	67.750 67.093		
MOTA	4296	0	THR			38.534	19.750			
ATOM	4297	N	PHE			40.023	21.033	68.168	1.000	18.66
ATOM	4298	CA	PHE		255	39.330	22.238	67.761		
ATOM	4299	CB	PHE			40.055	23.472	68.309	1.000	
ATOM	4300	CG	PHE			39.468	24.795		1.000	
MOTA	4301	CD1			255	38.462	25.342	68.685 68.349		
ATOM	4302		PHE			37.893	26.550			
MOTA	4303	CZ	PHE			38.291	27.240	67.224 66.419		
ATOM	4304		PHE			39.287	26.713	66.779		
ATOM	4305		PHE			39.877	25.519			
ATOM	4306	С	PHE			39.255	22.352	66.239		
ATOM	4307	0	PHE			38.229	22.668	65.647		
MOTA	4308	N	ILE			40.401	22.192	65.592		
ATOM	4309	CA	ILE			40.468	22.444	64.155		
MOTA	4310	CB	ILE			41.923	22.480	63.668		
ATOM	4311		ILE			42.735	23.658	64.220		
ATOM	4312		ILE			44.198	23.613	63.833		
ATOM	4313		ILE			41.988	22.469	62.146		
ATOM	4314	C	ILE			39.642	21.413	63.395		
MOTA	4315	0	ILE	В	256	38.931	21.770	62.448	T.000	20.91

ATOM	4316	N	ALA E	257	3	39.699	20.142	63.782	1.000	18.05
ATOM	4317	CA	ALA E	257	3	38.802	19.169	63.158	1.000	19.47
ATOM	4318	СВ	ALA E		3	38.987	17,798	63.775	1.000	21.30
	4319	C	ALA E			37.346	19.600	63.303		
ATOM			ALA E			36.588	19.578	62.335	1.000	
MOTA	4320	0							1.000	
ATOM	4321	N	LEU E			36.913	19.998			
MOTA	4322	CA	LEU E			35.511	20.383	64.656		
MOTA	4323	CB	LEU E			35.187	20.725	66.109		
ATOM	4324	CG	LEU E	258	3	33.718	21.043	66.402		
MOTA	4325	CD1	LEU E	258	3	32.830	19.879	65.989	1.000	33.89
ATOM	4326	CD2	LEU E	258	3	33.523	21.383	67.874	1.000	26.13
MOTA	4327	С	LEU F			35.162	21.561	63.747	1.000	26.19
ATOM	4328	Ō	LEU E			34.104	21.555	63.113		
	4329	N	ASP I			36.047	22.546	63.699		
ATOM			ASP E			35.925	23.714	62.834	1.000	
MOTA	4330	CA						62.907		
MOTA	4331	CB		259		37.184	24.585			
MOTA	4332	CG		259		37.015	25.907	62.185	1.000	
MOTA	4333		ASP E			35.871	26.400	62.144	1.000	
MOTA	4334	OD2	ASP E	3 259	3	38.013	26.448	61.664		
ATOM	4335	С	ASP E	3 259	3	35.678	23.286	61.392		
ATOM	4336	0	ASP E	259	3	34.813	23.822	60.702	1.000	30.45
ATOM	4337	N	ARG I		3	36.446	22.302	60.950	1.000	26.62
ATOM	4338	CA	ARG I		5	36.361	21.798	59.585	1.000	33.18
ATOM	4339	CB	ARG I			37.519	20.835	59.319		
		CG	ARG I			38.785	21.473	58.778		
ATOM	4340					39.239	20.700	57.536		
MOTA	4341	CD	ARG F					57.556		
ATOM	4342	NE	ARG I			40.673	20.498			
ATOM	4343	CZ	ARG I			41.391	19.709	56.782		
ATOM	4344		ARG I			40.798	18.979	55.856		
MOTA	4345	NH2	ARG I	3 260		42.705	19.660	56.957		
MOTA	4346	С	ARG E	3 260	3	35.055	21.066		1.000	
ATOM	4347	0	ARG E	260	3	34.398	21.344	58.296	1.000	34.89
MOTA	4348	N	ILE E	3 261	3	34.673	20.123	60.157	1.000	40.78
ATOM	4349	CA	ILE E	3 261	3	33.506	19.282	59.888	1.000	36.65
ATOM	4350	СВ	ILE E		3	33.512	18.013	60.759	1.000	36.83
ATOM	4351	CG1	ILE E			33.172	18.232	62.236		
ATOM	4352	CD1	ILE E			33.788	17.170	63.128	1.000	
MOTA	4353	CG2	ILE E			34.851	17.297	60.648		
			ILE I			32.193	20.033	60.076		
ATOM	4354	С						59.332		
MOTA	4355	0	ILE F				19.779			
ATOM	4356	N	LEU E			32.121	20.960	61.032		
MOTA	4357	CA	LEU I			30.910	21.778	61.134		
MOTA	4358	CB	LEU E	3 262	3	30.909	22.676	62.372		
MOTA	4359	CG	LEU I	3 262	3	30.865	21.951	63.722		
MOTA	4360	CD1	LEU E	262	3	30.907	22.931	64.886	1.000	29.40
ATOM	4361		LEU E		2	29.628	21.067	63.813	1.000	31.05
ATOM	4362	C	LEU E			30.763	22.639	59.882		
ATOM	4363	Ö	LEU E			29.667	23.081	59.538		
ATOM	4364	N	GLN I			31.888	22.887	59.204		
			GLN I			31.808	23.682	57.982		
ATOM	4365	CA					24.218	57.542		
ATOM	4366	CB	GLN I			33.169				
MOTA	4367	CG	GLN F	3 263	3	33.463	25.604	58.110	T.000	31.21

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ATOM	4368	CD			263	34.905	25.991	57.847 1.000 38.8	
ATOM	4369	OE1			263	35.200	26.564	56.803 1.000 42.2	
MOTA	4370	NE2			263	35.789	25.670	58.782 1.000 38.5	
ATOM	4371	С	GLN		263	31.207	22.830	56.870 1.000 43.9	
MOTA	4372	0	GLN	В	263	30.412	23.325	56.083 1.000 46.0	
MOTA	4373	N	GLN	В	264	31.609	21.563	56.843 1.000 40.3	2
MOTA	4374	CA	GLN	В	264	31.058	20.637	55.859 1.000 43.5	8
MOTA	4375	CB	GLN	В	264	31.776	19.291	55.904 1.000 41.2	4
MOTA	4376	CG	GLN	В	264	33.299	19.353	55.893 1.000 32.4	2
ATOM	4377	CD	GLN	В	264	33.885	17.975	56.138 1.000 34.8	3
ATOM	4378	OE1	GLN	В	264	33.154	16.982	56.114 1.000 49.0	5
ATOM	4379	NE2	GLN	В	264	35.181	17.880	56.386 1.000 36.6	5
ATOM	4380	С	GLN		264	29.557	20.453	56.088 1.000 46.8	4
ATOM	4381	0	GLN		264	28.787	20.463	55.125 1.000 60.9	5
ATOM	4382	N	LEU		265	29.143	20.293	57.339 1.000 44.0	6
ATOM	4383	CA	LEU		265	27.744	20.092	57.689 1.000 48.4	
ATOM	4384	СВ	LEU		265	27.541	20.198	59.204 1.000 48.9	
ATOM	4385	CG	LEU		265	28.027	19.015	60.044 1.000 49.5	
ATOM	4386	CD1	LEU		265	27.374	19.048	61.416 1.000 39.1	
ATOM	4387	CD2	LEU		265	27.761	17.702	59.326 1.000 46.3	
ATOM	4388	C	LEU		265	26.816	21.098	57.009 1.000 55.2	
ATOM	4389	Ö	LEU		265	25.738	20.747	56.529 1.000 61.5	
ATOM	4390	N	ASP			27.242	22.353	56.989 1.000 56.3	
ATOM	4391	CA	ASP		266	26.489	23.438	56.374 1.000 56.1	
ATOM	4392	СВ	ASP		266	26.708	24.734	57.154 1.000 62.0	
ATOM	4393	CG	ASP		266	26.306	24.619	58.612 1.000 68.7	
ATOM	4394	OD1	ASP		266	25.108	24.405	58.894 1.000 79.5	
ATOM	4395		ASP		266	27.190	24.742	59.489 1.000 81.0	
ATOM	4396	C	ASP		266	26.905	23.610	54.917 1.000 50.8	
ATOM	4397	Ō	ASP		266	26.597	24.607	54.265 1.000 58.8	4
ATOM	4398	N	SER		267	27.632	22.622	54.407 1.000 53.1	
ATOM	4399	CA	SER		267	28.177	22.699	53.056 1.000 64.3	4
ATOM	4400	CB	SER		267	29.708	22.798	53.101 1.000 56.4	
ATOM	4401	OG	SER		267	30.143	24.108	52.784 1.000 60.0	8
ATOM	4402	C	SER		267	27.759	21.499	52.214 1.000 75.0	
ATOM	4403	0	SER		267	26.653	21.444	51.677 1.000 79.4	8
ATOM	4404	N	LYS		268	28.656	20.523	52.092 1.000 83.4	
MOTA	4405	CA		В	268	28.385	19.358	51.257 1.000 86.0	0
ATOM	4406	CB	LYS			29.664	18.545	51.050 1.000 90.2	
MOTA	4407	CG	LYS			30.899	19.402	50.804 1.000 90.8	5
MOTA	4408	CD	LYS			31.608	19.724	52.110 1.000 87.4	
MOTA	4409	CE	LYS			32.908	20.484	51.868 1.000 87.5	
ATOM	4410	NZ	LYS			33.982	19.590	51.340 1.000 90.8	
ATOM	4411	С	LYS			27.279	18.493	51.854 1.000 79.5	
ATOM	4412	0	LYS			26.697	18.840	52.883 1.000 65.1	
ATOM	4413	N	ASP			27.000	17.380	51.183 1.000 75.1	
ATOM	4414	CA	ASP			25.948	16.453	51.576 1.000 74.4	
ATOM	4415	СВ	ASP			25.390	15.742	50.342 1.000 83.4	
ATOM	4416	CG	ASP			25.381	16.633	49.114 1.000 92.9	
ATOM	4417		ASP			24.301	16.816	48.509 1.000 99.0	
ATOM	4418		ASP			26.460	17.153	48.752 1.000105.1	
ATOM	4419	C	ASP			26.475	15.440	52.584 1.000 69.5	
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ATOM	4420	0	ASP	В	269	25.755	14.571	53.071		66.15
MOTA	4421	N	SER	В	270	27.763	15.573	52.883	1.000	63.01
MOTA	4422	CA	SER	В	270	28.449	14.658	53.782	1.000	53.77
ATOM	4423	CB	SER	В	270	29.261	13.633	52.991	1.000	58.45
ATOM	4424	OG	SER	В	270	30.230	12.983	53.797	1.000	73.26
MOTA	4425	С	SER	В	270	29.357	15.436	54.734	1.000	46.99
MOTA	4426	0	SER	В	270	29.393	16.664	54.654	1.000	42.15
MOTA	4427	N	VAL	В	271	30.035	14.690	55.588	1.000	48.78
ATOM	4428	CA			271	31.029	15.141	56.544	1.000	48.00
ATOM	4429	СВ	VAL	В	271	30.446	15.379	57.946	1.000	49.59
ATOM	4430	CG1			271	29.390	14.335	58.283		49.18
ATOM	4431		VAL			31.569	15.369	58.980	1.000	36.94
ATOM	4432	C			271	32.145	14.100	56.637	1.000	42.78
ATOM	4432	0			271	31.864	12.911	56.794	1.000	49.77
	4433				272	33.390	14.532	56.524	1.000	
MOTA		N C7								
ATOM	4435	CA			272	34.530	13.630	56.527		35.40
ATOM	4436	CB	ASP	В	272	35.438	13.862	55.314		27.29
ATOM	4437	CG	ASP	В	272	36.212	12.617	54.924	1.000	35.62
ATOM	4438	OD1	ASP	В	272	36.101	11.583	55.615		37.07
ATOM	4439		ASP	В		36.947	12.666	53.915		50.42
MOTA	4440	С	ASP	В		35.359	13.795	57.792		40.21
ATOM	4441	0	ASP			36.364	14.503	57.797		41.63
ATOM	4442	N	ILE		273	34.929	13.131	58.862	1.000	
ATOM	4443	CA			273	35.679	13.285	60.108		34.29
ATOM	4444	CB	ILE	В	273	34.909	12.721	61.310	1.000	30.34
MOTA	4445	CG1	ILE	В	273	33.565	13.409	61.576	1.000	31.83
MOTA	4446	CD1	ILE	В	273	32.766	12.740	62.679	1.000	27.01
ATOM	4447	CG2	ILE	В	273	35.768	12.761	62.563	1.000	28.54
ATOM	4448	С	ILE	В	273	37.053	12.639	59.968	1.000	39.35
ATOM	4449	0	ILE	В	273	38.060	13.284	60.295	1.000	37.96
ATOM	4450	N	TYR	В	274	37.080	11.404	59.482	1.000	40.06
ATOM	4451	CA	TYR	В	274	38.320	10.692	59.209	1.000	36.37
ATOM	4452	CB	TYR	В	274	38.083	9.343	58.534	1.000	34.20
ATOM	4453	CG	TYR	В	274	39.288	8.485	58.221	1.000	26.44
ATOM	4454	CD1	TYR	В	274	39.691	7.499	59.115	1.000	29.38
ATOM	4455	CE1	TYR	В	274	40.787	6.698	58.847	1.000	34.20
ATOM	4456	CZ	TYR	В	274	41.501	6.863	57.683	1.000	32.34
ATOM	4457	ОН	TYR	В	274	42.595	6.077	57.401	1.000	45.24
ATOM	4458	CE2	TYR			41.126	7.829	56.774	1.000	32.36
ATOM	4459	CD2	TYR			40.033	8.609	57.056		
ATOM	4460	С	TYR			39.228	11.528	58.299		
ATOM	4461	0	TYR			40.436	11.567	58.534		
ATOM	4462	N	GLY			38.634	12.102	57.266		
ATOM	4463	CA	GLY			39.375	12.824	56.239		
ATOM	4464	C	GLY			40.102	14.006	56.865		
ATOM	4465	0	GLY			41.263	14.270	56.555		
ATOM	4466	N	ALA			39.376	14.679	57.751		
ATOM	4467	CA	ALA			39.906	15.849	58.442		
ATOM	4467	CB	ALA		276	38.791	16.511	59.244		
ATOM	4469	СВ	ALA			41.097	15.502	59.323		
							16.150	59.234		
ATOM	4470	O N	ALA			42.147				
ATOM	4471	N	VAL	R	211	40.972	14.480	60.169	1.000	∠8.39

MOTA	4472	CA	VAL	В	277	42.049	14.164	61.101	1.000	26.25
MOTA	4473	CB	VAL	В	277	41.639	13.101	62.138	1.000	27.10
MOTA	4474	CG1	VAL	В	277	42.882	12.558	62.827	1.000	24.03
ATOM	4475	CG2				40.671	13.681	63.159		28.27
ATOM	4476	C			277	43.306	13.654	60.402	1.000	31.14
ATOM	4477	0	VAL		277	44.411	13.880	60.897	1.000	29.79
							12.975	59.277	1.000	
MOTA	4478	N	HIS		278	43.121				
ATOM	4479	CA	HIS		278	44.202	12.495	58.431	1.000	25.97
MOTA	4480	CB		В		43.601	11.645	57.309	1.000	33.39
MOTA	4481	CG	HIS	В	278	44.609	11.055	56.378	1.000	34.11
MOTA	4482	ND1	HIS	В		45.201	11.773	55.367	1.000	25.09
MOTA	4483	CE1	HIS	В		46.048	11.002	54.708	1.000	28.44
MOTA	4484	NE2	HIS	В		46.026	9.801	55.267	1.000	31.16
MOTA	4485	CD2	HIS	В	278	45.138	9.806	56.307	1.000	31.49
ATOM	4486	С	HIS	В	278	45.001	13.660	57.859	1.000	24.46
ATOM	4487	0	HIS	В	278	46.225	13.753	57.928	1.000	25.14
ATOM	4488	N	ASP	В	279	44.283	14.603	57.260	1.000	23.15
ATOM	4489	CA	ASP		279	44.887	15.817	56.715	1.000	24.67
ATOM	4490	СВ	ASP		279	43.776	16.718	56.178		29.92
ATOM	4491	CG	ASP		279	44.160	17.578	55.001	1.000	37.07
ATOM	4492	OD1	ASP		279	45.077	17.212	54.235	1.000	38.06
ATOM	4493				279	43.537	18.648	54.835	1.000	30.88
ATOM	4494	C	ASP	В		45.706	16.530	57.784		25.54
ATOM	4495	0		В	279	46.843	16.941	57.550	1.000	
ATOM	4496		LEU		280	45.150	16.673	58.991	1.000	18.66
		N							1.000	27.59
ATOM	4497	CA	LEU		280	45.867	17.373	60.061		
ATOM	4498	CB		В	280	45.025	17.491	61.331	1.000	23.76
ATOM	4499	CG	LEU		280	43.732	18.302	61.281	1.000	29.33
ATOM	4500	CD1		В	280	43.374	18.821	62.668	1.000	34.75
MOTA	4501			В	280	43.836	19.450	60.293	1.000	30.06
ATOM	4502	С		В	280	47.181	16.678	60.432	1.000	33.16
MOTA	4503	0	LEU	В	280	48.218	17.326		1.000	22.56
MOTA	4504	N	ARG	В	281	47.077	15.363	60.589	1.000	
MOTA	4505	CA	ARG	В	281	48.168	14.491	60.979	1.000	31.07
MOTA	4506	CB	ARG	В	281	47.675	13.042	61.092	1.000	28.63
MOTA	4507	CG	ARG	В	281	46.655	12.833	62.199	1.000	26.35
MOTA	4508	CD	ARG	В	281	47.328	12.460	63.506	1.000	27.07
ATOM	4509	NE	ARG	В	281	46.350	12.116	64.535	1.000	30.18
ATOM	4510	CZ	ARG	В	281	46.041	10.880	64.893	1.000	27.85
MOTA	4511	NH1	ARG	В	281	46.628	9.852	64.310	1.000	31.06
ATOM	4512		ARG			45.138	10.667	65.838		
ATOM	4513	С	ARG			49.318	14.561	59.985		
ATOM	4514	Ō	ARG			50.478	14.363	60.347		
ATOM	4515	N	LEU			48.986	14.842	58.727		
ATOM	4516	CA	LEU			50.041	15.001	57.727		
ATOM	4517	CB	LEU			49.455	15.139	56.327		
			LEU					55.689		
ATOM	4518	CG				48.830	13.899			
ATOM	4519		LEU			48.201	14.290	54.357		
ATOM	4520		LEU			49.859	12.792	55.511		
ATOM	4521	С	LEU			50.913	16.222	58.014		
ATOM	4522	0	LEU			52.030	16.277	57.506		
ATOM	4523	N	HIS	В	283	50.418	17.178	58.794	1.000	26.63

	4504	G.7		-	202	F1 104	10 450	E0 060	1 000	20 55
ATOM	4524	CA	HIS		283	51.104	18.459	58.962		
MOTA	4525	СВ	HIS		283	50.157	19.615	58.551		26.78
ATOM	4526	CG	HIS		283	49.852	19.437	57.083	1.000	31.38
ATOM	4527		HIS			50.669	19.906	56.078	1.000	
MOTA	4528		HIS		283	50.164	19.584	54.901	1.000	26.22
ATOM	4529	NE2	HIS		283	49.048	18.905	55.114	1.000	26.82
ATOM	4530	CD2	HIS	В	283	48.838	18.792	56.461	1.000	28.69
ATOM	4531	С	HIS	В	283	51.658	18.636	60.359	1.000	26.35
ATOM	4532	0	HIS	В	283	52.552	19.465	60.565	1.000	24.96
ATOM	4533	N	ARG	В	284	51.186	17.858	61.335	1.000	20.29
ATOM	4534	CA	ARG	В	284	51.798	17.980	62.664	1.000	21.12
ATOM	4535	СВ	ARG	В	284	51.322	19.245	63.391	1.000	20.38
ATOM	4536	CG	ARG		284	52.150	19.588	64.639	1.000	22.36
ATOM	4537	CD	ARG		284	51.699	20.875	65.292	1.000	21.53
ATOM	4538	NE	ARG		284	52.054	21.061	66.698	1.000	19.46
ATOM	4539	CZ	ARG		284	53.142	21.705	67.107	1.000	
ATOM	4540	NH1	ARG		284	54.004	22.225	66.238	1.000	
ATOM	4541	NH2	ARG		284	53.412	21.850	68.402	1.000	
ATOM	4542	C	ARG		284	51.493	16.731	63.482		16.74
ATOM	4543	0	ARG		284	50.383	16.207	63.410	1.000	20.61
ATOM	4544	N	VAL		285	52.454	16.252		1.000	21.81
	4545	CA	VAL		285	52.238	15.089	65.112		
ATOM		CB	VAL		285	53.540	14.760	65.869		
ATOM	4546					53.834	15.855	66.888		24.27
ATOM	4547	CG1	VAL				13.399		1.000	22.96
ATOM	4548	CG2	VAL			53.448				27.63
ATOM	4549	C	VAL		285	51.105	15.309	66.513		21.60
ATOM	4550	0	VAL		285	50.869	16.442			
ATOM	4551	N	HIS		286	50.396	14.271			32.06
ATOM	4552	CA		В	286	49.336	14.195	67.498	1.000	
ATOM	4553	СВ	HIS		286	49.885	14.551	68.892	1.000	
ATOM	4554	CG	HIS		286	51.021	13.664	69.305	1.000	
ATOM	4555		HIS		286	51.067	12.319	69.031	1.000	
ATOM	4556		HIS		286	52.186	11.799	69.506	1.000	
ATOM	4557	NE2	HIS		286	52.871	12.769	70.082	1.000	
ATOM	4558	CD2	HIS		286	52.169	13.944	69.969		33.55
ATOM	4559	С	HIS		286	48.127	15.077	67.218		30.46
ATOM	4560	0	HIS		286	47.387	15.403	68.154		40.44
MOTA	4561	N	MET		287	47.881	15.467	65.973	1.000	22.86
ATOM	4562	CA	MET			46.691	16.259	65.664		
MOTA	4563	CB	MET			46.756	16.854	64.270		
MOTA	4564	CG	MET			47.775	17.949	64.042		
ATOM	4565	SD	MET			47.516	19.438	65.055		
ATOM	4566	CE	MET	В	287	48.661	19.026	66.372		
ATOM	4567	С	MET	В	287	45.457	15.368	65.848		
ATOM	4568	0	MET	В	287	45.182	14.511	65.013		
ATOM	4569	N	VAL	В	288	44.774	15.611	66.952		
ATOM	4570	CA	VAL	В	288	43.740	14.820	67.589	1.000	28.81
ATOM	4571	СВ	VAL			42.560	14.478	66.675	1.000	27.58
ATOM	4572		VAL			41.636	13.502	67.385	1.000	26.91
ATOM	4573		VAL			41.797	15.726	66.275	1.000	19.05
ATOM	4574	С	VAL			44.390	13.535	68.093		
MOTA	4575	0	VAL			44.556	12.583	67.334		
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MOTA	4576	N	GLN	В	289	44.783	13.526	69.362	1.000	42.21
ATOM	4577	CA	GLN :	В	289	45.728	12.504	69.827	1.000	40.64
ATOM	4578	СВ	GLN I			46.907	13.254	70.450	1.000	38.74
ATOM	4579	CG	GLN I			47.311	12.901	71.865	1.000	38.30
MOTA	4580	CD	GLN I			48.223	13.989	72.413		37.90
	4581	OE1			289	47.738	15.038	72.837		34.96
ATOM								72.392		42.59
MOTA	4582	NE2	GLN I		289	49.525	13.736			
ATOM	4583	С	GLN I			45.156	11.454		1.000	
MOTA	4584	0	GLN I			45.899	10.560	71.181		34.51
ATOM	4585	N	THR I			43.869	11.469	71.086		27.99
ATOM	4586	CA	THR :	В	290	43.294	10.342	71.819	1.000	34.56
MOTA	4587	CB	THR !	В	290	42.922	10.643	73.277	1.000	36.69
ATOM	4588	OG1	THR	В	290	41.958	11.699	73.369	1.000	39.54
ATOM	4589	CG2	THR :	В	290	44.140	11.134	74.049	1.000	28.24
ATOM	4590	С	THR			42.053	9.858	71.067	1.000	45.19
ATOM	4591	0	THR			41.423	10.630	70.344		37.85
ATOM	4592	N	GLU I			41.708	8.583	71.228		40.04
	4593	CA	GLU I			40.514	8.060			31.40
ATOM							6.549	70.769		33.20
MOTA	4594	CB	GLU !			40.426				54.35
ATOM	4595	CG	GLU !			38.992	6.033	70.734		
ATOM	4596	CD	GLU 1			38.936	4.515	70.792		61.38
ATOM	4597	OE1				37.831	3.978	71.011		56.63
ATOM	4598	OE2	GLU :			40.009	3.898	70.610	1.000	
ATOM	4599	С	GLU I			39.274	8.756		1.000	
ATOM	4600	0	GLU I			38.289	9.026		1.000	
MOTA	4601	N	CYS !	В	292	39.330	9.074	72.393		30.92
MOTA	4602	CA	CYS	В	292	38.290	9.823	73.085	1.000	28.64
MOTA	4603	СВ	CYS	В	292	38.815	10.131	74.493	1.000	36.66
ATOM	4604	SG	CYS	В	292	37.722	11.163	75.490	1.000	55.37
ATOM	4605	С	CYS	В	292	37.903	11.103	72.351	1.000	31.79
MOTA	4606	0	CYS			36.723	11.332	72.070	1.000	36.92
ATOM	4607	N	GLN :			38.892	11.940	72.039	1.000	33.19
MOTA	4608	CA	GLN :			38.724	13.169	71.267	1.000	28.60
ATOM	4609	CB	GLN :			40.056	13.880	71.039	1.000	
ATOM	4610	CG	GLN I			40.532	14.744	72.194		
	4611	CD	GLN I			42.023	15.015	72.172		33.21
ATOM						42.730	14.694	71.211		26.74
ATOM	4612	OE1					15.611	73.245	1.000	
MOTA	4613	NE2	GLN I			42.533		69.931		
ATOM	4614	С	GLN I			38.076	12.811			
MOTA	4615	0	GLN :			37.089	13.407	69.513		
ATOM	4616	N	TYR I			38.647	11.795	69.281		
ATOM	4617	CA	TYR I			38.065	11.284	68.041		
ATOM	4618	CB	TYR I			38.826	10.059	67.528		
ATOM	4619	CG	TYR I	В	294	38.549	9.719	66.079		
MOTA	4620	CD1	TYR !	В	294	38.696	10.672	65.081	1.000	28.61
ATOM	4621	CE1	TYR I	В	294	38.451	10.386	63.754		
ATOM	4622	CZ	TYR :			38.047	9.119	63.401	1.000	38.28
ATOM	4623	ОН	TYR			37.803	8.837	62.078	1.000	41.13
ATOM	4624		TYR			37.891	8.151	64.368		
ATOM	4625		TYR			38.141	8.446	65.695		
ATOM	4626	C	TYR			36.603	10.923	68.261		
ATOM	4627	0	TYR !			35.741	11.211	67.434		
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MOTA	4628	N	VAL	В	295	36.302	10.285	69.396	1.000	34.52
ATOM	4629	CA	VAL	В	295	34.910	9.921	69.662	1.000	31.51
ATOM	4630	CB	VAL	В	295	34.752	9.065	70.932	1.000	35.21
ATOM	4631	CG1			295	33.272	8.911	71.238	1.000	40.28
	4632	CG2		В	295	35.432	7.720	70.755	1.000	35.85
ATOM							11.161	69.834	1.000	27.72
ATOM	4633	C		В	295	34.043				
ATOM	4634	0	VAL		295	32.911	11.223	69.360	1.000	36.42
ATOM	4635	N	TYR			34.613	12.139	70.527	1.000	37.43
ATOM	4636	CA	TYR	В	296	33.941	13.417	70.761	1.000	36.42
ATOM	4637	CB	TYR	В	296	34.866	14.321	71.578	1.000	43.28
ATOM	4638	CG	TYR	В	296	34.259	15.599	72.102	1.000	42.68
ATOM	4639	CD1	TYR	В	296	33.533	15.620	73.285	1.000	41.40
ATOM	4640	CE1	TYR			32.979	16.794	73.765	1.000	39.34
ATOM	4641	CZ	TYR		296	33.146	17.964	73.062		34.82
	4642	OH	TYR		296	32.597	19.132	73.530	1.000	
ATOM								71.884	1.000	41.20
ATOM	4643	CE2	TYR		296	33.865	17.973			
ATOM	4644	CD2	TYR		296	34.415	16.796	71.415	1.000	43.82
ATOM	4645	С	TYR		296	33.527	14.083	69.458	1.000	28.58
MOTA	4646	0	TYR	В	296	32.421	14.622	69.341	1.000	31.47
MOTA	4647	N	LEU	В	297	34.403	14.066	68.453	1.000	30.22
ATOM	4648	CA	LEU	В	297	34.076	14.745	67.196	1.000	30.67
MOTA	4649	CB	LEU	В	297	35.195	14.583	66.180	1.000	30.58
ATOM	4650	CG	LEU	В	297	36.483	15.373	66.375	1.000	32.73
ATOM	4651	CD1		В	297	37.535	14.919	65.367		29.68
ATOM	4652	CD2		В	297	36.220	16.866	66.250	1.000	27.24
ATOM	4653	C		В	297	32.782	14.187	66.605	1.000	33.83
		0		В	297	31.891	14.932	66.215	1.000	31.16
ATOM	4654									41.22
ATOM	4655	N		В		32.737	12.860	66.570	1.000	
ATOM	4656	CA			298	31.562	12.114	66.138	1.000	
MOTA	4657	CB			298	31.818	10.612	66.255	1.000	34.71
MOTA	4658	CG	HIS	В	298	32.822	10.070	65.285	1.000	34.66
MOTA	4659	ND1	HIS	В	298	34.177	10.070	65.531	1.000	40.08
ATOM	4660	CE1	HIS	В	298	34.825	9.528	64.511	1.000	38.60
MOTA	4661	NE2	HIS	В	298	33.935	9.166	63.602	1.000	36.65
MOTA	4662	CD2	HIS	В	298	32.679	9.494	64.071	1.000	35.52
ATOM	4663	С		В	298	30.340	12.523	66.951	1.000	36.47
ATOM	4664	0		В	298	29.314	12.914	66.389	1.000	36.46
ATOM	4665	N	GLN		299	30.420	12.464	68.280	1.000	33.50
ATOM	4666	CA	GLN			29.250	12.855			36.05
ATOM	4667	CB	GLN			29.525	12.674	70.563		39.72
			GLN			30.053	11.279	70.887		
ATOM	4668	CG						72.362		
MOTA	4669	CD	GLN			30.367	11.132			
ATOM	4670	OE1	GLN			30.932	12.045	72.967		
ATOM	4671		GLN			29.999	9.994	72.931	1.000	
MOTA	4672	С	GLN	В	299	28.841	14.289	68.782		
MOTA	4673	0	GLN	В	299	27.660	14.644	68.781	1.000	36.44
MOTA	4674	N	CYS	В	300	29.837	15.136	68.520	1.000	36.51
MOTA	4675	CA	CYS	В	300	29.496	16.519	68.201	1.000	31.01
ATOM	4676	СВ	CYS		300	30.752	17.368	68.017	1.000	32.05
ATOM	4677	SG	CYS		300	31.545	17.931	69.542	1.000	33.82
ATOM	4678	C	CYS		300	28.665	16.568	66.925		
ATOM	4679	0	CYS			27.706	17.327	66.828		
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ATOM	4680	N	VAL	В	301	29.042	15.767	65.927 1.0	00 30.57
ATOM	4681	CA	VAL	В	301	28.357	15.877	64.636 1.0	00 35.77
ATOM	4682	CB	VAL	В	301	29.131	15.124	63.542 1.0	00 37.54
ATOM	4683	CG1	VAL	В	301	28.252	14.886	62.327 1.0	00 28.37
MOTA	4684	CG2	VAL	В	301	30.380	15.915	63.165 1.0	00 38.14
ATOM	4685	С	VAL	В	301	26.925	15.369	64.735 1.0	
ATOM	4686	Ö	VAL		301	25.977	16.025	64.295 1.0	
ATOM	4687	N	ARG		302	26.736	14.201	65.327 1.0	
ATOM	4688	CA	ARG		302	25.403	13.654	65.555 1.0	
ATOM	4689		ARG		302	25.506			
ATOM		CB	_				12.385		
	4690	CG	ARG		302	24.268	12.102	67.240 1.0	
ATOM	4691	CD	ARG		302	24.579	11.103		00 45.04
ATOM	4692	NE	ARG		302	25.118	11.799	69.513 1.0	
ATOM	4693	CZ	ARG		302	25.697	11.252		00 45.65
ATOM	4694	NH1			302	25.838	9.937		00 43.04
MOTA	4695	NH2			302	26.131	12.057		00 48.35
ATOM	4696	С	ARG	В	302	24.480	14.642	66.256 1.0	00 54.36
ATOM	4697	0	ARG	В	302	23.339	14.882	65.856 1.0	00 40.59
ATOM	4698	N	ASP	В	303	24.975	15.234	67.348 1.0	00 56.40
MOTA	4699	CA	ASP	В	303	24.142	16.171	68.100 1.00	00 55.70
ATOM	4700	CB	ASP	В	303	24.898	16.662	69.342 1.0	00 57.02
MOTA	4701	CG	ASP	В	303	25.181	15.521	70.303 1.00	00 59.83
MOTA	4702	OD1	ASP	В	303	24.651	14.412	70.073 1.00	00 59.82
ATOM	4703		ASP	В	303	25.930	15.724	71.281 1.00	
ATOM	4704	С	ASP	В	303	23.688	17.342	67.236 1.00	
ATOM	4705	0		В	303	22.538	17.775	67.357 1.00	
ATOM	4706	N	VAL		304	24.571	17.839	66.374 1.00	
ATOM	4707	CA	VAL		304	24.268	18.980	65.512 1.00	
ATOM	4708	CB	VAL		304	25.515	19.435	64.739 1.00	
ATOM	4709	CG1			304	25.147	20.348	63.575 1.00	
ATOM	4710	CG1			304	26.484	20.346		
ATOM	4710		VAL						
		С			304	23.137	18.626	64.546 1.00	
MOTA	4712	0	VAL		304	22.178	19.375	64.347 1.00	
ATOM	4713	N	LEU		305	23.286	17.442	63.958 1.00	
ATOM	4714	CA	LEU		305	22.264	16.852	63.108 1.00	
ATOM	4715	СВ	LEU		305	22.789	15.569	62.455 1.00	
ATOM	4716	CG	LEU		305	24.083	15.749	61.649 1.00	
ATOM	4717	CD1		В	305	24.587	14.409	61.143 1.00	
ATOM	4718		LEU		305	23.868	16.711	60.496 1.00	
MOTA	4719	С	LEU			20.979	16.583	63.901 1.00	
MOTA	4720	0	LEU	В	305	19.939	17.100	63.476 1.00	00 35.65
MOTA	4721	N	ARG	В	306	21.076	15.820	64.980 1.00	00 57.84
MOTA	4722	CA	ARG	В	306	20.003	15.505	65.913 1.00	0 58.04
MOTA	4723	CB	ARG	В	306	20.540	15.067	67.268 1.00	0 54.34
ATOM	4724	CG	ARG	В	306	20.660	13.573	67.496 1.00	0 55.97
ATOM	4725	CD	ARG	В	306	21.035	13.272	68.943 1.00	
ATOM	4726	NE	ARG			21.719	11.995	69.097 1.00	
ATOM	4727	CZ	ARG		306	21.752	11.249	70.190 1.00	
ATOM	4728		ARG		306	21.132	11.608	71.304 1.00	
ATOM	4729		ARG			22.421	10.100	70.183 1.00	
ATOM	4730	C	ARG			19.118	16.738	66.111 1.00	
ATOM	4731	0	ARG			17.971	16.763		0 63.69
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MOTA	4732	N	ALA	В	307	19	.734	17.7	37	66.728	1.000	65.49
MOTA	4733	CA	ALA	В	307	19	.143	19.0	57	66.891	1.000	64.51
ATOM	4734	CB	ALA	В	307	20	.143	19.9	94	67.558	1.000	51.87
ATOM	4735	С	ALA	. В	307	18	.680	19.6	05	65.548	1.000	64.66
MOTA	4736	0	ALA	. В	307	17	.611	20.2	09	65.423	1.000	65.97
ATOM	4737	N	ARG	В	308	19	.468	19.4	12	64.491	1.000	61.42
MOTA	4738	CA	ARG	В	308	19	.012	19.9	29	63.193	1.000	70.94
MOTA	4739	СВ	ARG	В	308	20	.088	19.6	97	62.137	1.000	76.27
ATOM	4740	CG	ARG	В	308	19	.741	20.2	09	60.748	1.000	86.23
MOTA	4741	CD	ARG	В	308	20	.397	21.5	47	60.456	1.000	95.24
MOTA	4742	NE	ARG	В	308	21	.821	21.4	17	60.163	1.000	101.38
MOTA	4743	CZ	ARG	В	308	22	.786	21.6	66	61.049	1.000	107.77
MOTA	4744	NH1	ARG	В	308	22	.485	22.0	54	62.288	1.000	110.29
MOTA	4745	NH2	ARG	В	308	24	.056	21.5	19	60.695	1.000	113.92
MOTA	4746	С	ARG	В	308	17	. 685	19.2	93	62.787	1.000	73.80
MOTA	4747	0	ARG	В	308	16	.827	19.9	55	62.197	1.000	73.18
ATOM	4748	N	LYS	В	309	17	.486	18.0	15	63.102	1.000	73.43
MOTA	4749	CA	LYS	В	309	16	.283	17.28	86	62.718	1.000	76.77
MOTA	4750	CB	LYS	В	309	16	.472	15.78	88	62.979	1.000	
ATOM	4751	CG	LYS	В	309	17	.591	15.1	49	62.164	1.000	80.69
MOTA	4752	CD	LYS	В	309	17.	.436	13.63	37	62.104	1.000	82.88
ATOM	4753	CE	LYS	В	309	18.	.186	13.09	50	60.925	1.000	82.69
ATOM	4754	NZ	LYS	В	309	19.	.523	12.50	01	61.319	1.000	75.87
MOTA	4755	С	LYS	В	309	15.	.033	17.7	78	63.442	1.000	74.89
ATOM	4756	0	LYS	В	309	14.	.006	18.03	14	62.802	1.000	70.03
MOTA	4757	N	LEU	В	310	15.	.106	17.93		64.760	1.000	66.81
ATOM	4758	CA	LEU	В	310	13.	. 993	18.39	91	65.566	1.000	57.56
MOTA	4759	СВ	LEU	В	310	14.	.439	18.67	79	67.003	1.000	58.43
ATOM	4760	CG	LEU	В	310	14.	439	17.50	04	67.980	1.000	59.58
MOTA	4761	CD1	LEU	В	310	15.	451	17.72	28	69.090	1.000	37.85
ATOM	4762	CD2	LEU	В	310	13.	.055	17.27	78	68.570	1.000	65.92
MOTA	4763	С	LEU	В	310	13.	371	19.65	57	64.978	1.000	57.95
ATOM	4764	0	LEU	В	310	12.	371	20.15	57	65.507	1.000	56.97
MOTA	4765	01	НОН	W	1	-3.	530	-2.47	70	27.550	1.000	17.96
MOTA	4766	01	НОН	W	2	60.	077	26.79	96	63.038	1.000	15.33
ATOM	4767	01	НОН	W	3	55.	045	17.61	L3	63.918	1.000	20.66
ATOM	4768	01	НОН	W	4	10.	035	-6.43	31	48.617	1.000	19.03
ATOM	4769	01	НОН	M	5	-2.	541	7.40	)5	22.573	1.000	24.15
MOTA	4770	01	НОН	W	6	-1.	465	3.01	LO :	37.742	1.000	20.37
ATOM	4771	01	НОН		7		064	6.88		29.228	1.000	21.37
ATOM	4772	01	НОН		8		797	-10.46	53	28.170	1.000	21.33
MOTA	4773	01	НОН		9		023	30.92	28	82.230	1.000	23.35
ATOM	4774	01	HOH	W	10	15.	262	-6.12	27 :	25.706	1.000	20.03
MOTA	4775	01	HOH		11	41.	135	13.07	77 '	75.806	1.000	24.83
ATOM	4776	01	НОН	W	12	44.	160	35.26	66	61.596	1.000	21.20
ATOM	4777	01	НОН	W	13	-2.	293	13.13	35 2	27.030	1.000	29.16
ATOM	4778	01	НОН	W	14		152	-4.85	51 3	36.331	1.000	18.92
ATOM	4779	01	НОН		15	12.	494	-9.29		20.888		
ATOM	4780	01	НОН	W	16		561	-4.41	.3 :	17.800	1.000	27.50
ATOM	4781	01	НОН		17		953	-1.97		15.793		
ATOM	4782	01	НОН		18		169	29.52		70.613		
ATOM	4783	01	НОН	W	19	13.	709	11.41	.6 4	12.827	1.000	18.88

ATOM	4784	01	HOH I	v 20	55.731	28.213	80.604		
ATOM	4785	01	HOH I	N 21	4.760	11.444	27.886	1.000	20.66
MOTA	4786	01	HOH I	N 22	56.913	29.110	71.387	1.000	17.72
ATOM	4787	01	нон Т	w 23	18.440	-8.145	47.574	1.000	28.67
ATOM	4788	01	нон Т	N 24	51.613	13.126	62.266	1.000	25.40
ATOM	4789	01	нон Т		56.785	21.500	72.666	1.000	22.09
MOTA	4790	01	НОН Т		46.913	32.045	55.417	1.000	36.86
ATOM	4791	01	нон і		10.490	-7.264	21.479		24.68
ATOM	4792	01	нон 1		-4.811	-5.788			23.37
	4793	01	нон Т		58.662	11.046	62.178		28.32
ATOM			HOH I		40.935	36.024	75.388		36.78
ATOM	4794	01			56.949	30.024	57.221	1.000	
ATOM	4795	01	HOH I		45.404	15.934	74.179		
ATOM	4796	01	HOH I				43.032	1.000	
MOTA	4797	01	HOH I		-6.695	-5.778			35.06
ATOM	4798	01	HOH I		46.397	21.045	76.403		
ATOM	4799	01	нон 1		60.957	30.231	69.118		21.63
ATOM	4800	01	HOH I		-3.350	-17.246	31.808	1.000	
ATOM	4801	01	HOH I		55.555	12.895	71.190		29.48
MOTA	4802	01	HOH I		1.468	-5.097	35.986	1.000	
ATOM	4803	01	HOH I	w 39	15.156	-9.650	27.646	1.000	
MOTA	4804	01	HOH !	W 40	38.773	25.200	57.849	1.000	23.39
ATOM	4805	01	HOH !	W 41	10.348	17.067	32.030	1.000	41.46
ATOM	4806	01	HOH 1	w 42	1.648	-14.559	44.147	1.000	28.83
ATOM	4807	01	HOH 1	w 43	61.596	20.901	62.903		28.38
MOTA	4808	01	нон 1	W 44	14.144	-11.298	42.153	1.000	36.30
MOTA	4809	01	HOH 1	w 45	59.647	17.031	57.868	1.000	23.78
ATOM	4810	01	HOH 1	W 46	53.695	23.952	54.917	1.000	39.83
ATOM	4811	01	нон ч	w 47	27.056	31.327	66.272	1.000	55.85
ATOM	4812	01	нон ч	w 48	37.053	41.920	74.032	1.000	46.26
ATOM	4813	01	нон 1		-2.397	0.653	20.483	1.000	37.18
ATOM	4814	01	нон 1		41.473	15.741	75.531	1.000	43.52
ATOM	4815	01	нон 1		-2.370	-15.863	33.885	1.000	30.41
MOTA	4816	01	нон ч		-12.538	6.131	27.682	1.000	29.52
ATOM	4817	01	нон 1		53.221	16.883	55.102	1.000	33.14
ATOM	4818	01	нон 1		14.966	-8.503	24.747	1.000	25.12
ATOM	4819	01	нон 1		8.494	-4.831	50.889	1.000	
ATOM	4820	01	нон ч		24.585	-9.942	22.611	1.000	
ATOM	4821	01	HOH I		18.441	-20.771	46.004		39.24
ATOM	4822	01	HOH 1		51.873	22.607	56.086		29.82
	4823	01	нон ч			-6.152	18.909		
MOTA					44.607	38.534	81.740		
ATOM	4824	01	HOH I		18.322	-0.373	24.933		
ATOM	4825	01	HOH				64.024		
MOTA	4826	01	HOH !		39.406				
ATOM	4827	01	нон 1		71.786		67.354		
ATOM	4828	01	HOH I		41.387	20.207	52.496		
MOTA	4829	01	HOH 1		58.599	39.944	69.257		
MOTA	4830	01	HOH 1		7.902	0.663	20.612		
MOTA	4831	01	нон 1		49.818	23.739	54.522		
MOTA	4832	01	HOH 1		0.323		22.222		
ATOM	4833	01	HOH 1		8.339		16.062		
MOTA	4834	01	HOH 1		10.628	-6.726	18.494		
MOTA	4835	01	HOH I	w 71	34.368	9.766	58.834	1.000	46.05

ATOM	4836	01	HOH W	72	0.104	-9.966	24.934 1.000	
MOTA	4837	01	HOH W	73	-3.205	-3.781	34.722 1.000	24.34
ATOM	4838	01	HOH W	74	40.443	25.217	78.384 1.000	21.19
ATOM	4839	01	HOH W	75	60.161	17.919	77.858 1.000	43.49
MOTA	4840	01	HOH W	76	57.383	25.403	56.423 1.000	28.69
ATOM	4841	01	HOH W	77	-0.918	-4.290		23.94
ATOM	4842	01	HOH W	78	39.671	29.793		28.43
MOTA	4843	01	HOH W	79	-0.151	-0.962		31.95
	4844	01	HOH W	80	7.936	-8.337		31.62
ATOM				81	41.764	30.809		32.37
ATOM	4845	01	HOH W		16.518	-9.547		37.01
MOTA	4846	01	HOH W	82				33.53
MOTA	4847	01	HOH W	83	30.713	30.994		
ATOM	4848	01	HOH W	84	28.454	-2.369		47.39
MOTA	4849	01	HOH W	85	-5.917	-8.292		37.83
ATOM	4850	01	HOH W	86	7.580	-10.565		31.50
MOTA	4851	01	нон М	87	13.747	8.631	42.204 1.000	
MOTA	4852	01	HOH W	88	34.378	8.211	61.163 1.000	
ATOM	4853	01	HOH W	89	55.698	21.340		34.48
ATOM	4854	01	HOH W	90	-0.448	-6.040		38.54
ATOM	4855	01	HOH W	91	-0.537	-4.018		52.78
MOTA	4856	01	HOH W	92	58.171	28.185	55.468 1.000	35.33
ATOM	4857	01	HOH W	93	-1.835	-17.836	29.482 1.000	43.68
ATOM	4858	01	HOH W	94	19.387	-17.439	48.725 1.000	53.98
ATOM	4859	01	HOH W	95	60.252	41.304	67.862 1.000	40.39
ATOM	4860	01	HOH W	96	33.297	25.666	61.866 1.000	30.40
ATOM	4861	01	HOH W	97	-0.856	-8.441		40.05
ATOM	4862	01	HOH W		1.309	3.127		32.55
MOTA	4863	01	HOH W	99		-18.493		43.76
ATOM	4864	01	HOH W		24.060	-6.419		40.45
ATOM	4865	01	HOH W		-16.201	0.201	30.012 1.000	
MOTA	4866	01	HOH W		26.465	-8.482	43.564 1.000	
	4867	01	HOH W		26.382	-4.680	30.946 1.000	
ATOM		01	HOH W		14.152	-0.770		31.90
ATOM	4868				45.353	7.442		41.13
ATOM	4869	01	HOH W			29.765		30.33
ATOM	4870	01	HOH W		61.574			51.68
ATOM	4871	01	HOH W		7.240	13.732		34.68
ATOM	4872	01	HOH W		63.827	31.328		40.60
MOTA	4873	01	HOH W		27.765	8.197		
ATOM	4874	01	HOH W		26.746	31.022	63.432 1.000	
MOTA	4875	01	HOH W			12.491		
MOTA	4876	01	HOH W		0.254	17.249	30.260 1.000	
ATOM	4877	01	HOH W		12.595	10.239	20.359 1.000	
MOTA	4878	01	HOH W		-12.231	8.847	27.346 1.000	
MOTA	4879	01	HOH W	115	6.080	14.549	28.922 1.000	
ATOM	4880	01	HOH W	116	42.291	33.445	57.940 1.000	
MOTA	4881	01	HOH W	117	59.009	28.099	70.085 1.000	
MOTA	4882	01	HOH W	118	21.222	2.455	47.444 1.000	
ATOM	4883	01	HOH W			-16.455	31.001 1.000	
ATOM	4884	01	нон w		-0.125	11.690	36.476 1.000	30.48
ATOM	4885	01	HOH W		1.726	11.454	38.848 1.000	
ATOM	4886	01	HOH W		28.290		30.933 1.000	
ATOM	4887	01	HOH W			-24.378	36.045 1.000	
	,							

ATOM	4888	01	HOH W	124	1.1	.77	-29.065	27.544	1.000	45.02
ATOM	4889	01	HOH W	125	56.9	79	34.259	60.005	1.000	48.14
ATOM	4890	01	HOH W	126	58.7	30	33.237	57.099	1.000	45.63
MOTA	4891	01	HOH W	127	15.0	46	11.322	20.955	1.000	40.69
ATOM	4892	01	HOH W	128	17.4	68	-4.910	24.971	1.000	27.77
ATOM	4893	01	HOH W	129	-7.5	87	-7.450	31.742	1.000	42.13
MOTA	4894	01	HOH W	130	62.5	87	23.632	57.526	1.000	35.90
ATOM	4895	01	HOH W	131	-1.7	56	3.962	17.316	1.000	54.25
ATOM	4896	01	HOH W	132	<b>-</b> 7.9	65	-8.197	36.101	1.000	44.77
ATOM	4897	01	HOH W	133	24.5	22	-12.151	40.839	1.000	47.60
MOTA	4898	01	HOH W	134	41.8	71	34.231	60.791	1.000	28.90
MOTA	4899	01	HOH W	135	0.0	84	1.514	45.812	1.000	36.86
MOTA	4900	01	HOH W	136	-8.4	80	3.637	36.615	1.000	38.14
MOTA	4901	01	HOH W	137	40.9	00	41.156	64.403	1.000	36.63
ATOM	4902	01	HOH W	138	-11.0	20	-17.691	22.512	1.000	75.97
ATOM	4903	01	HOH W	139	7.8	50	3.732	42.421	1.000	36.40
ATOM	4904	01	HOH W	140	26.4	43	-10.866	28.599	1.000	51.16
ATOM	4905	01	HOH W	141	23.1	09	4.111	20.091	1.000	51.94
ATOM	4906	01	HOH W	142	38.2	97	16.036	84.787	1.000	45.01
ATOM	4907	01	HOH W	143	21.9	13	17.019	28.707	1.000	43.32
MOTA	4908	01	HOH W	144	59.9	64	41.572	65.028	1.000	58.77
ATOM	4909	01	HOH W	145	46.8	73	21.994	79.174	1.000	40.67
ATOM	4910	01	HOH W	146	19.0	58	-16.861	40.797	1.000	48.41
MOTA	4911	01	HOH W	147	50.1	03	11.202	73.004	1.000	41.20
ATOM	4912	01	HOH W	148	-3.8	01	9.680	21.040	1.000	40.17
ATOM	4913	01	HOH W	149	0.4	86	8.561	18.811	1.000	40.75
ATOM	4914	01	HOH W	150	19.9	35	8.387	60.381	1.000	53.72
MOTA	4915	01	HOH W	151	23.4	77	-0.731	29.783	1.000	32.64
ATOM	4916	01	HOH W	152	43.8	76	43.513	55.758	1.000	69.30
MOTA	4917	01	HOH W	153	-5.1	61	3.525	27.477	1.000	32.16
ATOM	4918	01	HOH W	154	41.5	25	16.199	52.939	1.000	81.81
MOTA	4919	01	HOH W	155	-4.9	28	-12.335	20.354	1.000	61.63
ATOM	4920	01	HOH W	156	13.0	58	0.354	47.602	1.000	30.77
ATOM	4921	01	HOH W	157	43.0	59	17.423	76.789	1.000	45.11
ATOM	4922	01	HOH W	158	62.49	94	11.714	59.113	1.0001	108.46
MOTA	4923	01	HOH W	159	48.63	31	10.662	67.791	1.000	38.71
ATOM	4924	01	HOH W	160	36.30	9	22.824	83.433	1.000	53.78
ATOM	4925	01	HOH W	161	34.25	55	41.203	81.271	1.000	58.61
ATOM	4926	01	HOH W	162	41.19		23.937	80.959	1.000	34.06
MOTA	4927	01	HOH W	163	41.82	28	13.385	50.732	1.000	77.14
ATOM	4928	01	HOH W	164	31.64		33.672	55.019	1.000	59.40
MOTA	4929	01		165	15.86		14.555	66.209		
ATOM	4930	01		166	57.74	12	42.116	78.337	1.000	65.62
MOTA	4931	01	HOH W	167	4.61	L7 -	-25.082	27.972	1.000	47.28
MOTA	4932	01	HOH W		2.78		17.721	23.213		
ATOM	4933	01	HOH W		59.71		23.680	80.391		
ATOM	4934	01	HOH W		37.16		14.176	35.477		
ATOM	4935	01	HOH W		15.84		-25.349	41.958		68.09
ATOM	4936	01	HOH W		69.00		25.633	74.020		68.84
MOTA	4937	01	HOH W		63.27		32.699	57.782		41.40
ATOM	4938	01	HOH W		38.06		44.790	79.133		
ATOM	4939	01	HOH W	175	74.29	96	43.345	65.746	1.000	58.77

MOTA	4940	01	HOH W	176	29.671	29.752	62.465	1.000	48.75
MOTA	4941	01	нон w	177	27.349	16.661	41.834	1.000	64.12
ATOM	4942	01	HOH W	178	68.864	18.200	64.263	1.000	44.37
ATOM	4943	01	HOH W	179	51.540	25.428	52.448	1.000	52.06
MOTA	4944	01	HOH W	180	28.343	-0.494	74.952	1.000	90.20
ATOM	4945	01	нон W	181	-12.972	-6.360	31.919	1.000	61.07
ATOM	4946	01	HOH W	182	29.627	16.979	37.935	1.000	63.71
MOTA	4947	01	нон м	183	30.147	-2.678	28.953	1.000	52.59
ATOM	4948	01	HOH W	184	55.934	13.116	53.037	1.000	49.11
ATOM	4949	01	HOH W	185	-4.863	-11.799	39.588	1.000	42.83
MOTA	4950	01	нон М	186	52.756	41.765	58.587	1.000	57.97
ATOM	4951	01	HOH W	187	27.188	-2.332	27.244	1.000	43.06
ATOM	4952	01	нон W	188	30.473	7.380	75.791	1.000	81.10
MOTA	4953	01	нон ₩	189	-7.908	-19.633	34.839	1.000	59.42
MOTA	4954	01	HOH W	190	28.733	14.583	42.278	1.000	54.80
ATOM	4955	01	HOH W	191	-13.906	-5.879	34.683	1.000	54.42
MOTA	4956	01	HOH W	192	60.646	30.561	54.430		103.36
MOTA	4957	01	HOH W	193	35.855	14.670	80.980	1.000	52.28
MOTA	4958	01	HOH W	194	19.267	-7.719	50.684	1.000	99.38
MOTA	4959	01	HOH W	195	17.702	-14.597	31.579	1.000	48.72
MOTA	4960	01	HOH W	196	25.127	1.357	21.179	1.000	86.89
MOTA	4961	01	HOH W	197	7.136	23.308	30.331	1.000	67.50
ATOM	4962	01	HOH W	198	66.979	28.356	73.926	1.000	73.15
ATOM	4963	01	HOH W	199	58.649	27.550	81.422	1.000	51.44
ATOM	4964	01	HOH W	200	26.717	16.527	75.237	1.000	49.85
ATOM	4965	01	HOH W	201	50.540	18.935	78.454	1.000	49.28
END									

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CRYST1	62.			.79		70.448	90.00		90.00	
MOTA	1	N	THR	Α	20		.220	15.647	19.635	1.00 51.11
MOTA	2	CA	THR	Α	20	14	.046	16.499	20.485	1.00 49.11
ATOM	3	CB	THR	Α	20	13.	.219	17.270	21.525	1.00 56.84
MOTA	4	OG1	THR	Α	20	11.	.822	17.025	21.318	1.00 82.00
ATOM	5	CG2	THR	Α	20	13	.411	18.771	21.351	1.00 62.78
ATOM	6	С	THR		20	15.	.126	15.682	21.189	1.00 47.28
ATOM	7	0	THR		20		.920	14.601	21.731	1.00 36.27
ATOM	8	N	SER		21		.332	16.238	21.145	1.00 41.80
ATOM	9	CA	SER		21		.525	15.585	21.640	1.00 38.45
ATOM	10	CB	SER		21		.027	14.556	20.623	1.00 50.01
	11	OG	SER		21		.114	15.125	19.328	1.00 57.39
ATOM	12	C	SER		21		.628	16.597	21.924	1.00 40.97
ATOM		0			21		.818	17.552	21.172	1.00 54.77
ATOM	13		SER						23.013	1.00 34.77
ATOM	14	N	CYS		22		.351	16.377		
ATOM	15	CA	CYS		22		.465	17.251	23.365	1.00 41.82
ATOM	16	СВ	CYS		22		.194	17.972	24.677	1.00 49.07
ATOM	17	SG	CYS		22		.184	19.448	24.992	1.00157.91
ATOM	18	С	CYS		22		.737	16.416	23.433	1.00 40.34
ATOM	19	0	CYS	Α	22		.215	16.085	24.518	1.00 48.60
ATOM	20	N	PRO	Α	23	22	.270	16.062	22.271	1.00 32.99
ATOM	21	CA	PRO	Α	23	23.	.464	15.210	22.261	1.00 38.72
ATOM	22	CB	PRO	Α	23	23.	.710	14.926	20.790	1.00 42.84
ATOM	23	CG	PRO	Α	23	22	.474	15.348	20.073	1.00 43.60
ATOM	24	CD	PRO	Α	23	21.	.836	16.415	20.914	1.00 38.82
ATOM	25	С	PRO		23		615	15.995	22.881	1.00 48.13
ATOM	26	0	PRO		23		711	17.211	22.701	1.00 47.03
MOTA	27	N	ILE		24		. 460	15.298	23.625	1.00 44.75
ATOM	28	CA	ILE		24		.566	15.975	24.297	1.00 44.40
ATOM	29	CB	ILE		24		.272	16.206	25.788	1.00 42.81
ATOM	30	CG1	ILE		24		.075	17.122	26.057	1.00 46.37
MOTA	31	CD1	ILE		24		.076	16.565	27.047	1.00 66.22
ATOM	32	CG2	ILE		24		512	16.726	26.502	1.00 39.08
ATOM	33	C	ILE		24		.832	15.154	24.125	1.00 40.83
ATOM	34	0	ILE		24		. 907	13.134	24.460	1.00 37.86
								15.794	23.569	1.00 37.00
ATOM	35	N	LYS		25		.852		23.390	1.00 43.13
ATOM	36	CA	LYS		25		.123	15.105		1.00 43.15
MOTA	37	CB	LYS		25		.053	15.966	22.534	
ATOM	38	CG	LYS		25		.471	16.274	21.159	1.00 54.09
MOTA	39	CD	LYS		25		.401	15.816	20.047	1.00 53.48
ATOM	40	CE	LYS		25		.749	14.744	19.184	1.00 52.46
ATOM	41	ΝZ	LYS		25		611	13.534	19.051	1.00 56.82
MOTA	42	С	LYS		25		.742	14.777	24.743	1.00 35.84
MOTA	43	0	LYS	Α	25	30.	. 676	15.549	25.699	1.00 35.11
ATOM	44	N	ILE	Α	26	31.	.342	13.599	24.805	1.00 30.07
MOTA	45	CA	ILE	Α	26	31.	. 956	13.072	26.009	1.00 44.79
MOTA	46	CB	ILE	Α	26	32.	.828	11.842	25.666	1.00 53.22
ATOM	47	CG1	ILE		26	32.	.077	10.710	24.967	1.00 52.52
MOTA	48	CD1	ILE		26		646	10.520	25.409	1.00 30.26
ATOM	49	CG2	ILE		26		.540	11.331	26.909	1.00 64.21
ATOM	50	C	ILE		26		827	14.089	26.738	1.00 48.16
ATOM	51	Ö	ILE		26		683	14.275	27.948	1.00 50.00
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MOTA	52	N	ASN	Α	27	33.731	14.732	26.005		46.06
MOTA	53	CA	ASN	Α	27	34.745	15.593	26.605	1.00	48.63
ATOM	54	CB	ASN	Α	27	35.900	15.802	25.627	1.00	60.83
ATOM	55	CG	ASN	Α	27	35.840	16.989	24.701	1.00	62.73
MOTA	56	OD1	ASN	Α	27	34.812	17.621	24.451	1.00	61.11
ATOM	57	ND2	ASN	Α	27	37.003	17.330	24.140	1.00	50.07
ATOM	58	С	ASN		27	34.158	16.914	27.075	1.00	49.04
MOTA	59	0	ASN		27	34.843	17.726	27.705	1.00	47.37
ATOM	60	N	GLN		28	32.878	17.141	26.778	1.00	46.15
ATOM	61	CA	GLN		28	32.271	18.381	27.266	1.00	49.97
ATOM	62	CB	GLN		28	31.655	19.163	26.101	1.00	56.77
ATOM	63	CG	GLN		28	32.595	19.346	24.918	1.00	66.10
ATOM	64	CD	GLN		28	32.102	20.390	23.934	1.00	71.73
	65	OE1	GLN		28	31.403	21.326	24.320	1.00	72.33
ATOM					28	32.453	20.244	22.661	1.00	76.09
ATOM	66	NE2	GLN			31.227	18.109	28.337	1.00	40.82
ATOM	67	C	GLN		28			28.895	1.00	38.64
MOTA	68	0	GLN		28	30.634	19.039			40.55
ATOM	69	N	PHE		29	30.965	16.838	28.647		
ATOM	70	CA	PHE		29	29.821	16.576	29.522	1.00	33.60
ATOM	71	СВ	PHE		29	29.591	15.064	29.660	1.00	39.21
ATOM	72	CG	PHE		29	28.380	14.777	30.544	1.00	32.38
ATOM	73	CD1			29	27.109	14.865	30.005		33.31
ATOM	74	CE1	PHE	A	29	25.985	14.624	30.772	1.00	33.30
ATOM	75	CZ	PHE	Α	29	26.136	14.282	32.103	1.00	38.62
ATOM	76	CE2	PHE	Α	29	27.402	14.192	32.648	1.00	37.08
ATOM	77	CD2	PHE	Α	29	28.520	14.426	31.874	1.00	28.51
ATOM	78	С	PHE	Α	29	29.981	17.210	30.898	1.00	25.63
MOTA	79	0	PHE	Α	29	29.074	17.856	31.430	1.00	40.09
ATOM	80	N	GLU	Α	30	31.161	17.013	31.469	1.00	36.23
ATOM	81	CA	GLU	Α	30	31.510	17.549	32.778	1.00	43.91
MOTA	82	СВ	GLU	Α	30	33.004	17.328	33.045	1.00	55.32
ATOM	83	CG	GLU	Α	30	33.738	16.650	31.903	1.00	66.32
ATOM	84	CD	GLU		30	33.492	15.158	31.798	1.00	75.29
MOTA	85		GLU		30	33.517	14.458	32.833	1.00	81.66
ATOM	86	OE2			30	33.270	14.685	30.659	1.00	78.35
ATOM	87	C	GLU		30	31.153	19.024	32.895	1.00	33.72
ATOM	88	Ö	GLU		30	30.421	19.428	33.800	1.00	34.69
ATOM	89	N	GLY		31	31.659	19.845	31.973	1.00	36.69
ATOM	90	CA	GLY		31	31.407	21.279	32.045		29.29
ATOM	91	C	GLY		31	29.939	21.581	31.824		40.96
ATOM	92	0	GLY		31	29.333	22.407	32.512		37.93
	93	N	HIS		32	29.401	20.867	30.835		51.96
ATOM					32	27.980	20.958	30.502		44.37
ATOM	94	CA	HIS				19.919	29.443		58.95
ATOM	95	CB	HIS		32	27.638		29.512		69.53
ATOM	96	CG	HIS		32	26.265	19.339			71.46
ATOM	97		HIS		32	25.190	19.878	28.841		
ATOM	98		HIS		32	24.109	19.159	29.083		73.05
ATOM	99		HIS		32	24.441	18.167	29.890		73.89
ATOM	100		HIS		32	25.783	18.259	30.170		73.95
ATOM	101	С	HIS		32	27.176	20.784	31.777		40.30
ATOM	102	0	HIS		32	26.380	21.635	32.177		35.23
ATOM	103	N	PHE	A	33	27.414	19.655	32.448	1.00	37.93

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ATOM	104	CA	PHE	A	33	26.660	19.416	33.684		35.86
ATOM	105	СВ	PHE	Α	33	27.026	18.033	34.233	1.00	30.87
MOTA	106	CG	PHE	A	33	26.146	17.593	35.390	1.00	31.86
MOTA	107	CD1	PHE	Α	33	24.793	17.870	35.387	1.00	30.87
MOTA	108	CE1	PHE	Α	33	23.998	17.487	36.449	1.00	39.07
ATOM	109	CZ	PHE	Α	33	24.556	16.815	37.521	1.00	40.71
ATOM	110	CE2	PHE		33	25.911	16.528	37.534	1.00	33.73
ATOM	111	CD2	PHE		33	26.694	16.911	36.464	1.00	32.41
ATOM	112	C	PHE		33	26.888	20.531	34.694	1.00	33.77
ATOM	113	0	PHE		33	25.952	20.961	35.381		36.95
ATOM	114	N	MET		34	28.109	21.054	34.812	1.00	40.28
ATOM	115	CA		A	34	28.365	22.163	35.733		36.53
	116	CB		A	34	29.840	22.550	35.715		37.70
MOTA					34	30.725	21.619	36.533		44.64
ATOM	117	CG		A			21.981	36.237		57.03
ATOM	118	SD		A	34	32.467		37.150		38.10
ATOM	119	CE	MET	A	34	32.639	23.515			32.51
ATOM	120	С		A	34	27.538	23.393	35.382		
ATOM	121	0		A	34	26.955	24.065	36.235		52.72
MOTA	122	N		A	35	27.508	23.672	34.081	1.00	35.94
MOTA	123	CA	LYS		35	26.695	24.776	33.583		42.22
MOTA	124	CB	LYS		35	26.769	24.818	32.059		53.72
MOTA	125	CG	LYS	A	35	27.490	26.026	31.488		64.13
MOTA	126	CD	LYS	Α	35	26.830	26.522	30.211		73.45
MOTA	127	CE	LYS	Α	35	25.799	27.603	30.481		79.66
ATOM	128	NZ	LYS	Α	35	25.397	28.334	29.244		65.59
MOTA	129	С	LYS	Α	35	25.261	24.606	34.072	1.00	42.89
ATOM	130	0	LYS	Α	35	24.679	25.467	34.733	1.00	40.73
MOTA	131	N	LEU	Α	36	24.707	23.441	33.733	1.00	35.38
ATOM	132	CA	LEU	Α	36	23.356	23.091	34.131	1.00	26.66
MOTA	133	СВ	LEU	Α	36	23.027	21.631	33.793	1.00	34.71
ATOM	134	CG	LEU	Α	36	22.556	21.329	32.373	1.00	35.84
MOTA	135	CD1	LEU	Α	36	23.700	21.485	31.388	1.00	40.98
ATOM	136		LEU		36	21.974	19.922	32.277	1.00	32.82
ATOM	137	С	LEU		36	23.172	23.283	35.629	1.00	24.20
ATOM	138	0	LEU		36	22.123	23.748	36.062	1.00	28.20
ATOM	139	N	GLN		37	24.207	22.901	36.378	1.00	25.36
ATOM	140	CA	GLN		37	24.143	22.963	37.831		31.18
ATOM	141	СВ	GLN		37	25.189	22.007	38.420	1.00	38.07
ATOM	142	CG	GLN		37	24.588	20.611	38.573		46.59
ATOM	143	CD	GLN		37	25.546	19.648	39.244		51.11
ATOM	144		GLN		37	26.637	19.410	38.728		44.66
ATOM	145		GLN		37	25.114	19.115	40.378		36.68
		C	GLN		37	24.337	24.373	38.379		40.44
ATOM	146	0	GLN		37	23.814	24.666	39.455		35.38
ATOM	147				38	25.050	25.199	37.630		45.31
ATOM	148	N C7	ALA					37.933		58.11
ATOM	149	CA	ALA		38	25.238	26.608	36.705		66.03
ATOM	150	CB	ALA		38	25.738	27.359			66.10
ATOM	151	C	ALA		38	23.953	27.264	38.431 38.114		
ATOM	152	0	ALA		38	22.853	26.812			78.27
ATOM	153	N	ASP		39	24.121	28.331	39.199		68.10
ATOM	154	CA	ASP		39	23.041	29.104	39.794		71.28
ATOM	155	СВ	ASP	A	39	22.423	30.060	38.774	1.00	77.06

ATOM	156	CG	ASP	Α	39	23.365	30.405	37.638	1.00 86.83
MOTA	157	OD1	ASP	Α	39	23.544	29.551	36.742	1.00105.52
ATOM	158	OD2	ASP	Α	39	23.932	31.516	37.639	1.00105.04
ATOM	159	С	ASP		39	21.969	28.188	40.383	1.00 69.59
MOTA	160	0	ASP		39	20.770	28.436	40.271	1.00 51.64
ATOM	161	N	SER		40	22.436	27.116	41.014	1.00 72.47
		CA	SER		40	21.569	26.129	41.639	1.00 73.99
ATOM	162					20.695	26.792	42.708	1.00 78.30
MOTA	163	CB	SER		40	20.340	25.862	43.718	1.00 96.66
ATOM	164	OG	SER		40				1.00 50.00
ATOM	165	С	SER		40	20.698	25.414	40.612	
MOTA	166	0	SER		40	19.473	25.380	40.738	1.00 68.61
ATOM	167	N	ASN		41	21.324	24.836	39.588	1.00 67.73
ATOM	168	CA	ASN		41	20.564	24.038	38.628	1.00 64.81
MOTA	169	CB	ASN	Α	41	19.846	22.901	39.367	1.00 61.79
ATOM	170	CG	ASN	Α	41	20.795	21.929	40.031	1.00 61.73
ATOM	171	OD1	ASN	Α	41	22.000	21.958	39.789	1.00 69.43
ATOM	172	ND2	ASN	Α	41	20.260	21.055	40.876	1.00 77.55
ATOM	173	С	ASN	Α	41	19.542	24.870	37.871	1.00 61.80
ATOM	174	0	ASN		41	18.448	24.397	37.545	1.00 46.20
ATOM	175	N	TYR		42	19.871	26.131	37.586	1.00 55.50
ATOM	176	CA	TYR		42	18.879	26.965	36.907	1.00 53.77
ATOM	177	СВ	TYR		42	19.293	28.437	36.963	1.00 58.34
ATOM	178	CG	TYR		42	18.328	29.359	36.248	1.00 57.25
ATOM	179	CD1	TYR		42	17.106	29.704	36.812	1.00 53.13
ATOM	180	CE1	TYR		42	16.237	30.547	36.143	1.00 55.57
						16.586	31.048	34.908	1.00 57.51
ATOM	181	CZ	TYR		42	15.728	31.888	34.236	1.00 77.05
ATOM	182	OH	TYR		42				1.00 77.03
MOTA	183	CE2	TYR		42	17.792	30.720	34.327	
ATOM	184	CD2	TYR		42	18.652	29.878	35.001	1.00 54.42
ATOM	185	С	TYR		42	18.676	26.523	35.463	1.00 46.65
MOTA	186	0	TYR		42	17.565	26.523	34.925	1.00 42.26
ATOM	187	N	LEU		43	19.772	26.135	34.813	1.00 33.69
ATOM	188	CA	LEU	Α	43	19.638	25.715	33.419	1.00 35.76
MOTA	189	CB	LEU	A	43	20.980	25.835	32.706	1.00 39.54
ATOM	190	CG	LEU	Α	43	21.238	27.199	32.047	1.00 40.56
ATOM	191	CD1	LEU	Α	43	20.408	28.282	32.714	1.00 40.30
MOTA	192	CD2	LEU	A	43	22.709	27.555	32.093	1.00 29.81
ATOM	193	С	LEU	Α	43	19.077	24.300	33.348	1.00 48.21
ATOM	194	0	LEU	Α	43	18.421	23.937	32.371	1.00 40.48
MOTA	195	N	LEU	Α	44	19.326	23.509	34.394	1.00 46.35
ATOM	196	CA	LEU		44	18.762	22.160	34.438	1.00 44.23
ATOM	197	СВ	LEU		44	19.440	21.300	35.503	1.00 45.17
ATOM	198	CG	LEU		44	19.102	19.805	35.499	1.00 45.62
ATOM	199		LEU		44	20.365	18.965	35.586	1.00 31.11
ATOM	200		LEU		44	18.148	19.475	36.638	1.00 39.34
	201	C	LEU		44	17.257	22.238	34.682	1.00 40.48
ATOM					44	16.490	21.546	34.017	1.00 46.20
ATOM	202	O N	LEU			16.833	23.079	35.624	1.00 40.20
ATOM	203	N	SER		45 45			35.909	1.00 37.28
ATOM	204	CA	SER		45	15.412	23.227		
ATOM	205	CB	SER		45	15.183	24.298	36.971	1.00 49.13
ATOM	206	OG	SER		45	15.258	23.742	38.273	1.00 45.34
ATOM	207	C	SER	Α	45	14.644	23.557	34.635	1.00 47.28

ATOM	208	0	SER	A	45	13.532	23.071	34.420		56.54
ATOM	209	N	LYS .	Α	46	15.239	24.377	33.775	1.00	48.99
ATOM	210	CA	LYS	A	46	14.588	24.708	32.508	1.00	53.30
ATOM	211	CB	LYS	A	46	15.228	25.954	31.890	1.00	59.16
MOTA	212	CG	LYS	Α	46	15.006	27.210	32.725	1.00	63.86
ATOM	213	CD	LYS	Α	46	15.835	28.379	32.220	1.00	64.48
ATOM	214	CE	LYS		46	15.039	29.675	32.252	1.00	64.98
ATOM	215	NZ	LYS		46	15.675	30.745	31.433	1.00	56.04
ATOM	216	C	LYS		46	14.622	23.533	31.535	1.00	47.85
ATOM	217	0	LYS		46	13.603	23.266	30.890		55.12
	218	N	GLU		47	15.746	22.834	31.420		36.87
ATOM	219	CA	GLU		47	15.840	21.669	30.546	1.00	
ATOM			GLU .		47	17.247	21.060	30.588	1.00	47.65
ATOM	220	CB				17.495	20.034	29.498	1.00	
ATOM	221	CG	GLU .		47					55.44
ATOM	222	CD	GLU .		47	18.919	19.534	29.410		
ATOM	223	OE1	GLU .		47	19.665	19.977	28.510		68.33
ATOM	224	OE2	GLU .		47	19.316	18.675	30.229		55.44
ATOM	225	С	GLU .		47	14.799	20.615	30.918		39.97
MOTA	226	0	GLU .		47	14.010	20.178	30.080		39.03
ATOM	227	N	TYR .	A	48	14.770	20.191	32.177	1.00	
ATOM	228	CA	TYR .		48	13.770	19.221	32.614	1.00	40.19
ATOM	229	CB	TYR .	A	48	13.910	18.925	34.105	1.00	
ATOM	230	CG	TYR .	A	48	13.004	17.856	34.671		32.74
ATOM	231	CD1	TYR .	Α	48	13.165	16.505	34.361		28.30
ATOM	232	CE1	TYR .	Α	48	12.316	15.553	34.903	1.00	22.32
MOTA	233	CZ	TYR .	Α	48	11.301	15.922	35.753	1.00	30.86
ATOM	234	ОН	TYR .	A	48	10.450	14.983	36.292	1.00	30.54
ATOM	235	CE2	TYR .		48	11.115	17.253	36.080	1.00	26.20
ATOM	236	CD2	TYR .		48	11.970	18.194	35.534	1.00	28.57
ATOM	237	С	TYR .		48	12.369	19.729	32.302	1.00	49.53
MOTA	238	Ō	TYR		48	11.526	19.006	31.769	1.00	51.41
ATOM	239	N	GLU .		49	12.105	20.994	32.637	1.00	46.93
ATOM	240	CA	GLU .		49	10.772	21.536	32.378		42.89
ATOM	241	CB	GLU .		49	10.655	22.963	32.912		52.01
ATOM	242	CG	GLU .		49	9.269	23.330	33.420		65.78
	242	CD	GLU .		49	8.788	22.347	34.472	1.00	79.04
ATOM ATOM	243	OE1	GLU .		49	9.560	22.068	35.413	1.00	96.40
		OE2	GLU .		49	7.646	21.856	34.354	1.00	91.96
MOTA	245						21.493	30.883		29.38
ATOM	246	C	GLU .		49	10.462				38.63
MOTA	247	0	GLU .		49	9.309	21.423	30.462		34.87
ATOM	248	N	GLU .		50	11.510	21.544	30.075		
ATOM	249	CA	GLU .		50	11.357	21.477	28.626		46.84
ATOM	250	CB	GLU .		50	12.745	21.550	27.998		52.28
ATOM	251	CG	GLU .		50	12.782	21.554	26.483		62.44
MOTA	252	CD	GLU .		50	13.712	22.655	25.996		72.44
ATOM	253	OE1	GLU .		50	14.373	22.454	24.958		92.62
MOTA	254	OE2	GLU .		50	13.753	23.697	26.686		72.72
ATOM	255	С	GLU .		50	10.644	20.199	28.208		52.30
ATOM	256	0	GLU .	A	50	9.964	20.114	27.186		54.37
ATOM	257	N	LEU .		51	10.816	19.164	29.028		44.46
ATOM	258	CA	LEU .		51	10.319	17.841	28.691		34.94
MOTA	259	CB	LEU .		51	11.233	16.772	29.304	1.00	24.94

ATOM	260	CG	LEU	Α	51	12.654	16.734	28.754	1.00	21.39
ATOM	261	CD1	LEU	Α	51	13.621	16.312	29.850	1.00	34.46
ATOM	262	CD2			51	12.731	15.811	27.550	1.00	
MOTA	263	С	LEU		51	8.912	17.588	29.202		42.88
ATOM	264	0	LEU		51	8.350	16.541	28.883	1.00	
ATOM	265	N	LYS		52		18.530			
						8.399		29.983	1.00	
ATOM	266	CA	LYS		52	7.115	18.337	30.643	1.00	
ATOM	267	CB	LYS		52	6.789	19.557	31.513	1.00	
ATOM	268	CG	LYS		52	6.095	20.683	30.765	1.00	69.23
MOTA	269	CD	LYS		52	6.543	22.048	31.263	1.00	75.40
ATOM	270	CE	LYS	Α	52	5.563	23.135	30.850	1.00	81.49
MOTA	271	NZ	LYS	Α	52	4.161	22.796	31.229	1.00	87.53
MOTA	272	С	LYS	Α	52	5.973	18.083	29.671	1.00	38.67
ATOM	273	0	LYS	Α	52	5.052	17.334	29.988	1.00	35.81
ATOM	274	N	ASP	A	53	5.984	18.692	28.489	1.00	36.11
ATOM	275	CA	ASP		53	4.829	18.567	27.605	1.00	40.07
ATOM	276	СВ	ASP		53	4.529	19.928	26.954		49.22
ATOM	277	CG	ASP		53	4.334	21.018	27.995		54.49
ATOM	278	OD1	ASP		53	5.153	21.961	28.039		73.06
ATOM	279		ASP		53	3.367	20.942	28.782		35.35
ATOM	280	C	ASP		53	5.012	17.503	26.537	1.00	32.08
ATOM	281	Ö	ASP		53	4.126	17.303	25.702	1.00	27.30
ATOM	282	N	VAL		54	6.138		26.531		
							16.789		1.00	23.82
ATOM	283	CA	VAL		54	6.275	15.745	25.515	1.00	26.43
ATOM	284	CB	VAL		54	7.644	15.063	25.611	1.00	23.01
ATOM	285	CG1			54	7.804	13.986	24.545	1.00	19.26
ATOM	286	CG2	VAL		54	8.762	16.096	25.487	1.00	34.53
ATOM	287	С	VAL		54	5.166	14.704	25.659	1.00	26.62
ATOM	288	0	VAL		54	4.905	14.234	26.761	1.00	17.16
ATOM	289	N	GLY		55	4.527	14.349	24.554	1.00	21.88
MOTA	290	CA	GLY		55	3.558	13.282	24.475	1.00	23.39
ATOM	291	С	GLY	A	55	2.195	13.617	25.024		30.22
ATOM	292	0	$\operatorname{GLY}$		55	1.314	12.758	25.104	1.00	23.51
ATOM	293	N	ARG	Α	56	1.989	14.875	25.405	1.00	31.50
ATOM	294	CA	ARG	Α	56	0.782	15.271	26.119	1.00	28.44
ATOM	295	CB	ARG	Α	56	0.984	16.662	26.743	1.00	36.73
ATOM	296	CG	ARG	Α	56	1.082	17.789	25.719	1.00	31.99
ATOM	297	CD	ARG	Α	56	1.004	19.156	26.390	1.00	37.18
ATOM	298	NE	ARG	Α	56	-0.281	19.323	27.056	1.00	43.75
ATOM	299	CZ	ARG	Α	56	-0.556	19.932	28.193	1.00	45.89
ATOM	300	NH1	ARG	Α	56	0.380	20.516	28.923		38.18
ATOM	301		ARG		56	-1.817	19.962	28.623		39.43
ATOM	302	С	ARG		56	-0.450	15.279	25.227		29.67
ATOM	303	0	ARG		56	-1.567	15.445	25.732		27.62
ATOM	304	N	ASN		57	-0.237	15.110	23.922		26.65
ATOM	305	CA	ASN		57	-1.345	15.090	22.982		27.28
ATOM	306	CB	ASN		57	-0.843				
ATOM	307		ASN		57		15.400	21.560		38.20
	307	CG				0.466	14.695	21.254		54.73
ATOM			ASN		57 57	1.420	14.764	22.038		55.09
ATOM	309		ASN		57	0.530	14.011	20.113		53.28
ATOM	310	C	ASN		57	-2.063	13.752	22.942		24.18
ATOM	311	0	ASN	А	57	-3.083	13.668	22.252	1.00	23.88

MOTA	312	N	GLN	Α	58	-1.579	12.719	23.623	1.00 27.84
ATOM	313	CA	GLN	Α	58	-2.119	11.366	23.492	1.00 20.86
ATOM	314	CB	GLN	A	58	-0.963	10.339	23.556	1.00 16.18
ATOM	315	CG	GLN		58	-0.004	10.576	22.386	1.00 19.18
MOTA	316	CD	GLN		58	1.282	9.797	22.440	1.00 17.89
ATOM	317	OE1	GLN		58	1.430	8.818	21.702	1.00 27.40
ATOM	318	NE2	GLN		58	2.226	10.196	23.293	1.00 22.07
	319	C	GLN		58	-3.169	11.060	24.540	1.00 24.60
ATOM	320	0	GLN		58	-3.146	11.517	25.685	1.00 28.29
ATOM					59	-4.147	10.253	24.129	1.00 19.50
ATOM	321	N	SER		59	-5.255	9.909	25.012	1.00 17.23
ATOM	322	CA	SER			-6.538	9.850	24.170	1.00 25.69
MOTA	323	CB	SER		59			23.891	1.00 42.05
MOTA	324	OG	SER		59	-6.970	11.173		1.00 42.03
ATOM	325	С	SER		59	-5.039	8.570	25.710	1.00 19.80
MOTA	326	0	SER		59	-4.224	7.784	25.210	
MOTA	327	N	CYS		60	-5.766	8.346	26.789	1.00 18.16
ATOM	328	CA	CYS		60	-5.784	7.104	27.553	1.00 24.60
ATOM	329	CB	CYS		60	-5.166	7.309	28.946	1.00 22.29
MOTA	330	SG	CYS	Α	60	-3.478	7.963	28.894	1.00 32.87
MOTA	331	С	CYS	Α	60	-7.200	6.568	27.701	1.00 24.69
ATOM	332	0	CYS	Α	60	-7.633	6.163	28.783	1.00 15.41
ATOM	333	N	ASP	Α	61	-7.989	6.554	26.627	1.00 21.29
ATOM	334	CA	ASP	Α	61	-9.399	6.222	26.803	1.00 17.62
ATOM	335	СВ	ASP	Α	61	-10.193	6.519	25.524	1.00 24.76
ATOM	336	CG	ASP	A	61	-10.158	7.992	25.163	1.00 30.04
MOTA	337	OD1	ASP	Α	61	-9.946	8.844	26.050	1.00 27.96
ATOM	338	OD2	ASP		61	-10.334	8.286	23.966	1.00 30.86
ATOM	339	С	ASP		61	-9.618	4.764	27.165	1.00 22.87
ATOM	340	0	ASP		61	-10.577	4.424	27.849	1.00 23.80
ATOM	341	N	ILE		62	-8.760	3.857	26.693	1.00 17.20
ATOM	342	CA	ILE		62	-9.073	2.454	27.018	1.00 17.76
ATOM	343	CB	ILE		62	-8.198	1.491	26.203	1.00 19.59
MOTA	344	CG1	ILE		62	-8.434	1.614	24.694	1.00 30.45
ATOM	345	CD1	ILE		62	-9.906	1.542	24.325	1.00 29.59
ATOM	346	CG2	ILE		62	-8.389	0.061	26.685	1.00 19.52
ATOM	347	C	ILE		62	-8.891	2.209	28.509	1.00 24.81
ATOM	348	0	ILE		62	-9.671	1.523	29.170	1.00 20.96
	349	N	ALA		63	-7.831	2.828	29.030	1.00 18.90
MOTA	350	CA	ALA		63	-7.515	2.680	30.442	1.00 17.49
MOTA							3.420	30.729	1.00 14.17
ATOM	351	CB	ALA		63	-6.214 -8.646	3.193	31.321	1.00 22.60
ATOM	352	C	ALA		63	-8.776	2.756	32.467	1.00 21.69
ATOM	353	0	ALA		63			30.768	1.00 22.09
ATOM	354	N	LEU		64	-9.433	4.106		1.00 22.05
ATOM	355	CA	LEU		64	-10.531	4.780	31.447	
MOTA	356	CB	LEU		64	-10.635	6.212	30.898	1.00 20.03
ATOM	357	CG	LEU		64	-9.562	7.184	31.388	1.00 17.09
MOTA	358		LEU		64	-9.621	8.500	30.633	1.00 23.40
ATOM	359		LEU		64	-9.722	7.431	32.885	1.00 18.46
ATOM	360	C	LEU		64	-11.867	4.072	31.310	1.00 28.67
MOTA	361	0	LEU		64	-12.878	4.468	31.898	1.00 24.74
ATOM	362	N	LEU	А	65	-11.959	2.988	30.544	1.00 23.30
MOTA	363	CA	LEU	Α	65	-13.262	2.317	30.495	1.00 26.61

ATOM	364	СВ	LEU	Α	65		-13.2	54	1.209	29.43	36 1.0	00	27.54
ATOM	365	CG	LEU	Α	65		-12.8		1.722	28.04	42 1.0	00	27.54
MOTA	366	CD1			65		-12.6		0.573	27.06			
MOTA	367	CD2			65		-13.9		2.707	27.54			
ATOM	368	С	LEU		65		-13.6		1.772	31.86			24.88
ATOM	369	0	LEU		65		-12.7		1.361	32.61			
ATOM	370	N	PRO		66		-14.9		1.798	32.20			28.42
ATOM	371	CA	PRO		66		-15.3		1.350	33.51			
ATOM	372	CB	PRO		66		-16.9		1.316	33.34			
ATOM	373	CG	PRO		66		-17.1		2.301	32.26			
ATOM	374	CD	PRO		66		-16.0		2.281	31.33			35.79
ATOM	375	С	PRO		66		-14.8		-0.038	33.88			25.20
ATOM	376	O	PRO		66		-14.5		-0.329	35.03			30.25
ATOM	377	N	GLU		67		-14.7		-0.948	32.91			26.85
ATOM ATOM	378 379	CA CB	GLU GLU		67 67		-14.4		-2.299 -3.321	33.34			35.73
ATOM	380	CG	GLU		67		-14.8° -15.0°		-2.754	32.30			39.08 48.88
ATOM	381	CD	GLU		67		-14.2		-3.501	29.86			57.56
ATOM	382	OE1	GLU		67		-14.2		-4.752	29.88			77.10
ATOM	383	OE2			67		-13.6		-2.832	29.01			41.80
ATOM	384	C	GLU		67		-12.92		-2.398	33.62			36.25
ATOM	385	Ö	GLU		67		-12.4		-3.441	34.07			32.32
ATOM	386	N	ASN		68		-12.1		-1.333	33.35			31.47
ATOM	387	CA	ASN		68		-10.72		-1.380	33.58			21.87
ATOM	388	СВ	ASN		68		-9.9		-0.794	32.39			22.35
ATOM	389	CG	ASN	Α	68		-10.00	80	-1.714	31.19			19.79
ATOM	390	OD1	ASN	Α	68		-10.12		-2.930	31.35			23.52
ATOM	391	ND2	ASN	Α	68		-9.92	27	-1.147	29.99	7 1.0	0	19.33
ATOM	392	С	ASN	Α	68		-10.32	29	-0.618	34.84	1 1.0	0	20.30
MOTA	393	0	ASN	Α	68		-9.15	54	-0.604	35.21	5 1.0	0	22.70
ATOM	394	N	ARG	А	69		-11.28	36	0.026	35.50	8 1.0	0	26.70
MOTA	395	CA	ARG	A	69		-10.89	94	0.889	36.62		0	33.64
MOTA	396	CB	ARG	Α	69		-12.11	L6	1.607	37.21	1 1.0	0	44.80
MOTA	397	CG	ARG		69		-11.77		2.959	37.82	4 1.0	0	54.18
ATOM	398	CD	ARG		69		-12.98		3.581	38.50		0	63.01
ATOM	399	NE	ARG		69		-12.71		3.903	39.90			71.32
ATOM	400	CZ	ARG		69		-13.57		3.781	40.91			77.50
ATOM	401	NH1	ARG		69		-14.80		3.330	40.69			86.91
ATOM	402	NH2	ARG		69		-13.20		4.108	42.14			73.55
ATOM	403	С	ARG		69	•	-10.15		0.129	37.71			29.65
ATOM	404	0	ARG		69		-9.11		0.604	38.18			40.10
ATOM	405	N	GLY		70	•	-10.64		-1.040	38.11			23.99
ATOM	406	CA	GLY		70		-9.96		-1.818	39.14			19.86
ATOM	407 408	С	GLY		70 70		-8.59		-2.288	38.68			24.39
ATOM		O N	GLY		70 71		-7.78		-2.734	39.52			22.56
ATOM ATOM	409 410	N CA	LYS		71 71		-8.30		-2.205	37.37			19.98
ATOM	410	CA CB	LYS LYS		71 71		-7.00		-2.702 -3.252	36.90 35.48			15.60
ATOM	412	CG	LYS		71		-8.20		-3.232 -4.318	35.46			18.68 15.28
ATOM	413	CD	LYS		71		-8.40		-4.516 -4.675	33.85			15.32
ATOM	414	CE	LYS		71		-9.71		-5.448	33.70			27.04
ATOM	415	NZ	LYS		71	_	-10.14		-5.554	32.28			31.96
								-	5.553	52.20	0	~	01.50

ATOM	416	С	LYS	Α	71	-5.890	-1.672	36.944	1.00 14.54
ATOM	417	0	LYS	Α	71	-4.752	-1.993	36.578	1.00 17.52
MOTA	418	N	ASN	Α	72	-6.149	-0.439	37.371	1.00 11.96
MOTA	419	CA	ASN	A	72	-5.101	0.568	37.479	1.00 11.74
MOTA	420	СВ	ASN	Α	72	-5.545	1.876	36.813	1.00 14.82
ATOM	421	CG	ASN	A	72	-5.837	1.654	35.339	1.00 23.46
MOTA	422	OD1	ASN		72	-5.007	1.128	34.599	1.00 16.09
ATOM	423		ASN		72	-7.025	2.057	34.903	1.00 21.08
ATOM	424	С	ASN		72	-4.753	0.835	38.937	1.00 16.08
ATOM	425	0	ASN		72	-5.647	1.079	39.741	1.00 18.28
ATOM	426	N	ARG		73	-3.471	0.788	39.258	1.00 12.51
MOTA	427	CA	ARG		73	-3.013	1.010	40.621	1.00 20.92
ATOM	428	СВ	ARG		73	-1.525	0.666	40.738	1.00 13.10
ATOM	429	CG	ARG		73	-0.989	0.829	42.148	1.00 9.31
ATOM	430	CD	ARG		73	0.454	0.359	42.272	1.00 11.98
ATOM	431	NE	ARG		73	0.510	-1.117	42.294	1.00 9.41
ATOM	432	CZ	ARG		73	0.265	-1.768	43.428	1.00 17.50
ATOM	433	NH1	ARG		73	-0.024	-1.096	44.549	1.00 14.11
ATOM	434		ARG		73	0.330	-3.094	43.391	1.00 16.87
ATOM	435	C	ARG		73	-3.255	2.460	41.041	1.00 25.16
	436	0	ARG		73	-3.658	2.737	42.170	1.00 14.89
ATOM	430	N	TYR		74	-2.991	3.373	40.114	1.00 17.87
ATOM					74	-3.209	4.806	40.336	1.00 15.26
ATOM	438	CA	TYR		74	-1.887	5.539	40.348	1.00 18.93
ATOM	439	CB	TYR		74	-0.898	5.054	41.388	1.00 19.16
ATOM	440	CG	TYR			-1.081	5.313	42.735	1.00 22.07
MOTA	441	CD1	TYR		74	-0.174	4.871	43.684	1.00 22.07
ATOM	442	CE1	TYR		74		4.160	43.289	1.00 16.94
ATOM	443	CZ	TYR		74	0.932		44.213	1.00 16.65
ATOM	444	OH	TYR		74	1.851	3.713		1.00 10.03
ATOM	445	CE2	TYR		74	1.139	3.891	41.947	1.00 20.31
ATOM	446	CD2	TYR		74	0.225	4.337	41.009	1.00 14.09
ATOM	447	С	TYR		74	-4.150	5.322	39.263	1.00 23.90
MOTA	448	0	TYR		74	-3.994	5.065	38.065	
MOTA	449	N	ASN		75	-5.202	6.053	39.641	
ATOM	450	CA	ASN		75	-6.220	6.288	38.610	1.00 23.42
ATOM	451	CB	ASN		75	-7.557	6.585	39.296	1.00 34.45
ATOM	452	CG	ASN		75	-8.137	5.350	39.975	1.00 51.03
ATOM	453		ASN		75	-8.673	5.414	41.085	1.00 50.00
ATOM	454	ND2	ASN	A	75	-8.051	4.180	39.342	1.00 38.85
MOTA	455	С	ASN		75	-5.736	7.353	37.640	1.00 18.82
ATOM	456	0	ASN		75	-6.317	7.585	36.580	1.00 20.63
ATOM	457	N	ASN		76	-4.615	7.991	37.977	1.00 16.28
ATOM	458	CA	ASN	A	76	-4.105	9.045	37.110	1.00 19.45
ATOM	459	CB	ASN	А	76	-3.997	10.339	37.926	1.00 22.45
MOTA	460	CG	ASN		76	-2.980	10.295	39.044	1.00 33.59
MOTA	461	OD1	ASN	A	76	-2.679	9.257	39.636	1.00 26.17
MOTA	462	ND2	ASN	Α	76	-2.431	11.474	39.344	1.00 29.60
MOTA	463	С	ASN	A	76	-2.781	8.692	36.465	1.00 17.17
ATOM	464	0	ASN	A	76	-2.066	9.532	35.917	1.00 17.91
ATOM	465	N	ILE		77	-2.389	7.423	36.475	1.00 20.00
ATOM	466	CA	ILE	A	77	-1.171	6.992	35.791	1.00 14.81
MOTA	467	СВ	ILE		77	-0.049	6.504	36.702	1.00 11.59

ATOM	468	CG1	ILE	A	77	0.3	36	7.468	37.832		17.04
ATOM	469	CD1	ILE	Α	77	0.9	86	8.713	37.282	1.00	17.56
MOTA	470	CG2	ILE	Α	77	1.2	27	6.165	35.924	1.00	15.42
ATOM	471	С	ILE	Α	77	-1.6	17	5.835	34.878	1.00	16.96
MOTA	472	0	ILE	Α	77	-1.7	33	4.718	35.381	1.00	15.55
ATOM	473	N	LEU		78	-1.8		6.184	33.632	1.00	12.76
MOTA	474	CA	LEU		78	-2.5		5.255	32.689		10.94
		CB	LEU		78	-3.9		5.623	32.413		12.51
ATOM	475				78	-4.8		5.963	33.601		19.43
ATOM	476	CG	LEU					6.497	33.151		22.19
ATOM	477		LEU		78	-6.2					
ATOM	478		LEU		78	-5.0		4.744	34.486		24.35
MOTA	479	С	LEU		78	-1.7		5.244	31.398	1.00	17.94
ATOM	480	0	LEU		78	-1.0		6.248	31.056		16.73
MOTA	481	N	PRO		79	-1.7		4.123	30.692		19.09
ATOM	482	CA	PRO	Α	79	-0.9		4.050	29.450		16.12
ATOM	483	CB	PRO	Α	79	-0.8		2.539	29.199	1.00	9.23
ATOM	484	CG	PRO	Α	79	-2.2	04	2.074	29.718	1.00	11.75
ATOM	485	CD	PRO	Α	79	-2.4	11	2.860	30.988	1.00	15.77
MOTA	486	С	PRO	Α	79	-1.6	55	4.794	28.339	1.00	15.99
ATOM	487	0	PRO	Α	79	-2.8	93	4.828	28.388	1.00	15.25
ATOM	488	N	TYR	Α	80	-0.9	26	5.362	27.389	1.00	10.13
ATOM	489	CA	TYR		80	-1.5		5.993	26.206	1.00	11.18
ATOM	490	СВ	TYR		80	-0.4		6.764	25.423	1.00	13.27
ATOM	491	CG	TYR		80	0.1		7.959	26.117		12.63
ATOM	492	CD1	TYR		80	-0.6		8.902	26.685	1.00	18.08
ATOM	493	CE1	TYR		80	-0.1		10.005	27.321	1.00	
	494	CZ	TYR		80	1.1		10.172	27.391	1.00	16.07
ATOM		OH	TYR		80	1.6		11.281	28.032		21.65
ATOM	495					2.0		9.257	26.837	1.00	13.46
ATOM	496	CE2	TYR		80				26.198		14.05
ATOM	497	CD2	TYR		80	1.5		8.150	25.286	1.00	18.00
ATOM	498	С	TYR		80	-2.1		4.930			
ATOM	499	0	TYR		80	-1.5		3.823	25.165		15.44
MOTA	500	N	ASP		81	-3.2		5.206	24.625		15.66
ATOM	501	CA	ASP		81	-3.8		4.129	23.846		18.95
ATOM	502	CB	ASP		81	-5.1		4.541	23.239	1.00	
MOTA	503	CG	ASP	А	81	-6.2		5.004	24.239		23.24
ATOM	504		ASP		81	-6.3		4.394	25.318		20.28
MOTA	505	OD2	ASP	Α	81	-6.9		5.971	23.937		21.10
ATOM	506	C	ASP	Α	81	-2.9	19	3.699	22.717		19.22
MOTA	507	0	ASP	Α	81	-2.8	84	2.543	22.314	1.00	24.23
MOTA	508	N	ALA		82	-2.1	71	4.664	22.193	1.00	20.83
ATOM	509	CA	ALA		82	-1.3		4.375	21.033	1.00	21.56
ATOM	510	СВ	ALA		82	-0.8	02	5.697	20.471	1.00	18.25
ATOM	511	C	ALA		82	-0.1		3.424	21.333	1.00	17.70
ATOM	512	Ō	ALA		82	0.3		2.784	20.412		24.59
ATOM	513	N	THR		83	0.2		3.282	22.570		14.11
	514	CA	THR		83	1.4		2.482	22.831		15.16
MOTA	514	CB	THR		83	2.6		3.349	23.283		26.72
ATOM						2.0		4.126	24.431		20.70
ATOM	516	OG1			83				22.213		24.85
ATOM	517		THR		83	3.0		4.358			17.17
ATOM	518	C	THR		83	1.2		1.437	23.918		
MOTA	519	0	THR	A	83	2.1	80	0.825	24.412	1.00	17.29

ATOM	520	N	ARG	A	84	-0.030	1.226	24.310	1.00 14.78
ATOM	521	CA	ARG	Α	84	-0.304	0.265	25.377	1.00 14.16
ATOM	522	CB	ARG	A	84	-1.752	0.389	25.832	1.00 16.16
ATOM	523	CG	ARG	Α	84	-2.824	-0.021	24.841	1.00 12.30
ATOM	524	CD	ARG	Α	84	-4.206	0.035	25.483	1.00 18.81
ATOM	525	NE	ARG		84	-5.231	-0.504	24.587	1.00 18.67
ATOM	526	CZ	ARG		84	-5.856		24.745	1.00 25.65
ATOM	527	NH1			84	-5.570		25.794	1.00 18.24
ATOM	528	NH2			84	-6.769		23.856	1.00 23.18
ATOM	529	C	ARG		84	0.002		24.926	1.00 19.54
ATOM	530	0	ARG		84	-0.053		23.748	1.00 16.47
	531	N	VAL		85	0.340		25.871	1.00 14.56
ATOM	532	CA	VAL		85	0.511	-3.453	25.593	1.00 14.30
MOTA						1.516		26.552	1.00 13.31
ATOM	533	CB	VAL		85			26.279	1.00 26.22
ATOM	534	CG1	VAL		85	1.595	-5.605		
ATOM	535	CG2	VAL		85	2.900		26.419	1.00 8.35
ATOM	536	С	VAL		85	-0.824	-4.164	25.708	1.00 18.09
ATOM	537	0	VAL		85	-1.596		26.664	1.00 17.84
MOTA	538	N			86	-1.170	-4.991	24.713	1.00 17.85
ATOM	539	CA			86	-2.481	-5.634	24.797	1.00 16.55
ATOM	540	CB	LYS		86	-3.270		23.499	1.00 22.98
ATOM	541	CG	LYS	Α	86	-3.353		22.972	1.00 25.37
ATOM	542	CD	LYS	Α	86	-4.093	-3.996	21.641	1.00 35.98
ATOM	543	CE	LYS	Α	86	-4.302	-2.569	21.152	1.00 41.61
ATOM	544	NZ	LYS	Α	86	-5.067	-2.535	19.870	1.00 41.47
MOTA	545	С	LYS	Α	86	-2.354	-7.130	25.073	1.00 17.71
MOTA	546	0	LYS	Α	86	-1.473	-7.780	24.495	1.00 26.73
MOTA	547	N	LEU	Α	87	-3.238	-7.641	25.909	1.00 16.65
ATOM	548	CA	LEU	Α	87	-3.386	-9.070	26.157	1.00 21.87
ATOM	549	СВ	LEU	A	87	-4.108	-9.340	27.477	1.00 22.56
ATOM	550	CG	LEU	Α	87	-3.573	-8.679	28.751	1.00 19.45
ATOM	551	CD1	LEU	A	87	-4.502	-8.981	29.920	1.00 33.41
MOTA	552	CD2	LEU		87	-2.155	-9.123	29.057	1.00 19.25
ATOM	553	С	LEU		87	-4.194	-9.716	25.033	1.00 34.42
ATOM	554	0	LEU		87	-5.103	-9.087	24.480	1.00 29.92
ATOM	555	N	SER		88	-3.906		24.684	1.00 39.81
ATOM	556	CA	SER		88	-4.712		23.715	1.00 42.02
ATOM	557	СВ	SER		88	-4.153		23.509	1.00 45.96
ATOM	558	OG	SER		88		-13.843	24.684	1.00 44.96
ATOM	559	C	SER		88		-11.853	24.182	1.00 39.54
	560	0	SER		88		-11.712	25.374	1.00 35.93
ATOM	561	N	ASN		89		-12.175	23.251	1.00 58.52
ATOM							-12.173	23.518	1.00 76.46
ATOM	562	CA	ASN		89		-12.301 $-11.396$	23.017	1.00 76.46
ATOM	563	CB	ASN		89			21.501	1.00 93.50
ATOM	564	CG	ASN		89		-11.372		
ATOM	565		ASN		89		-11.100	20.929	1.00104.34
MOTA	566		ASN		89		-11.659	20.847	1.00109.77
ATOM	567	C	ASN		89		-13.831	22.860	1.00 88.77
MOTA	568	0	ASN		89		-14.011	21.671	1.00 92.19
ATOM	569	N	VAL		90		-14.736	23.621	1.00 99.23
ATOM	570	CA	VAL		90		-16.059	23.144	1.00106.42
MOTA	571	CB	VAL	Α	90	-8.923	-17.172	23.760	1.00106.95

ATOM	572	CG1	VAL	Α	90	-9.298	-18.525	23.172	1.00112.12
ATOM	573	CG2	VAL	Α	90	-7.444	-16.892	23.548	1.00105.34
ATOM	574	С	VAL	Α	90	-11.258	-16.369	23.451	1.00111.33
ATOM	575	0	VAL	Α	90	-12.138	-16.117	22.628	1.00105.84
ATOM	576	N	ASP	Α	91	-11.510	-16.921	24.632	1.00119.26
ATOM	577	CA	ASP	Α	91	-12.855	-17.239	25.095	1.00128.16
MOTA	578	СВ	ASP		91	-12.828	-18.448	26.031	1.00125.07
ATOM	579	CG	ASP	A	91	-14.191	-18.774	26.609	1.00121.16
ATOM	580		ASP	Α	91	-15.007	-19.377	25.880	1.00104.75
ATOM	581		ASP		91	-14.447	-18.433	27.785	1.00117.18
ATOM	582	С	ASP		91	-13.482	-16.042	25.807	1.00139.13
ATOM	583	0	ASP		91	-13.028	-15.676	26.894	1.00148.32
ATOM	584	N	ASP		92	-14.503	-15.447	25.202	1.00145.93
ATOM	585	CA	ASP		92	-15.147	-14.241	25.726	1.00149.70
ATOM	586	СВ	ASP		92		-14.375	27.225	1.00149.57
ATOM	587	CG	ASP		92	-16.361	-15.502	27.584	1.00147.36
ATOM	588	OD1	ASP		92		-15.233	27.781	1.00137.75
ATOM	589		ASP		92		-16.665	27.677	1.00148.40
ATOM	590	C	ASP		92	-14.286	-13.021	25.419	1.00150.50
ATOM	591	Ō	ASP		92		-12.934	25.892	1.00155.89
ATOM	592	N		A	93		-12.068	24.620	1.00148.19
ATOM	593	CA		A	93		-10.998	24.173	1.00145.42
ATOM	594	СВ		A	93		-11.222	22.687	1.00146.89
ATOM	595	CG	ASP		93		-11.594	21.844	1.00147.24
ATOM	596	OD1			93		-12.710	22.011	1.00141.98
ATOM	597		ASP		93		-10.772	21.001	1.00148.93
ATOM	598	C	ASP		93	-14.404	-9.578	24.346	1.00140.50
ATOM	599	0	ASP		93	-14.742	-8.922	23.357	1.00135.04
ATOM	600	N	PRO		94	-14.451	-9.070	25.570	1.00137.75
ATOM	601	CA	PRO		94	-14.684	-7.638	25.812	1.00134.16
ATOM	602	CB	PRO		94	-15.340	-7.646	27.190	1.00136.91
ATOM	603	CG	PRO		94	-14.801	-8.848	27.882	1.00138.06
ATOM	604	CD	PRO		94	-14.305	-9.803	26.837	1.00139.01
ATOM	605	C	PRO		94	-13.363	-6.879	25.830	1.00126.58
ATOM	606	0	PRO		94	-12.437	-7.253	25.099	1.00132.66
ATOM	607	N	CYS		95	-13.220	-5.827	26.639	1.00114.33
ATOM	608	CA	CYS		95	-11.898	-5.198	26.765	1.00 95.06
ATOM	609	CB	CYS		95	-11.947	-3.690	26.961	1.00 97.01
ATOM	610	SG	CYS		95	-10.323	-2.901	27.121	1.00 74.50
		_			95	-11.146	-5.872	27.913	1.00 71.83
MOTA	611 612	C 0	CYS CYS		95	-10.629	-5.311	28.870	1.00 58.75
ATOM	613	N	SER		96	-11.089	-7.193	27.759	1.00 54.83
ATOM					96	-10.254	-8.038	28.595	1.00 46.09
ATOM	614	CA	SER		96	-10.848	-9.437	28.720	1.00 49.86
ATOM	615	CB	SER				-10.147	27.491	1.00 47.97
ATOM	616 617	OG C	SER		96 96	-8.854	-8.076	27.491	1.00 47.57
MOTA	617	C	SER		96 96	-8.045	-8.933	28.321	1.00 31.50
ATOM	618	O N	SER		96 97	-8.562	-0.933 -7.129	27.085	1.00 30.30
ATOM	619	N C	ASP		97 97	-7.233	-7.129 -7.050	26.495	1.00 23.83
ATOM	620	CA	ASP			-7.233 -7.317	-6.646	25.029	1.00 17.20
ATOM	621	CB	ASP		97 97		-5.179	24.772	1.00 22.22
ATOM	622	CG	ASP		97	-7.590			1.00 32.34
MOTA	623	ODT	ASP	А	97	-7.945	-4.404	25.681	1.00 25.44

MOTA	624	OD2	ASP	Α	97	-7.444	-4.765	23.600	1.00 44.31
MOTA	625	С	ASP	Α	97	-6.357	-6.065	27.271	1.00 18.88
ATOM	626	0	ASP			-5.194	-5.883	26.902	1.00 18.89
ATOM	627	N	TYR	Α	98	-6.947	-5.456	28.296	1.00 20.04
MOTA	628	CA	TYR			-6.313	-4.338	28.976	1.00 18.41
ATOM	629	CB	TYR	Α	98	-7.366	-3.378	29.609	1.00 18.59
MOTA	630	CG	TYR	Α	98	-6.631	-2.221	30.288	1.00 20.03
MOTA	631	CD1	TYR	Α	98	-6.043	-1.216	29.522	1.00 16.83
MOTA	632	CE1	TYR	Α	98	-5.361	-0.144	30.090	1.00 13.49
ATOM	633	CZ	TYR	Α	98	-5.276	-0.116	31.471	1.00 19.51
MOTA	634	ОН	TYR	Α	98	-4.624	0.908	32.106	1.00 14.09
ATOM	635	CE2	TYR	Α	98	-5.846	-1.095	32.255	1.00 13.64
ATOM	636	CD2	TYR	A	98	-6.528	-2.145	31.673	1.00 17.45
ATOM	637	С	TYR	Α	98	-5.343	-4.746	30.066	1.00 18.17
ATOM	638	0	TYR	Α	98	-5.664	-5.449	31.020	1.00 22.86
ATOM	639	N	ILE	Α	99	-4.130	-4.218	29.989	1.00 14.66
ATOM	640	CA	ILE	Α	99	-3.274	-4.175	31.172	1.00 17.87
ATOM	641	CB	ILE	Α	99	-2.221	-5.290	31.223	1.00 17.34
ATOM	642	CG1	ILE	Α	99	-1.274	-5.190	32.428	1.00 13.76
ATOM	643	CD1	ILE	Α	99	-0.492	-6.481	32.633	1.00 14.80
ATOM	644	CG2	ILE	Α	99	-1.443	-5.348	29.924	1.00 15.59
ATOM	645	С	ILE	Α	99	-2.594	-2.807	31.227	1.00 14.26
ATOM	646	0	ILE	Α	99	-2.353	-2.191	30.183	1.00 16.44
ATOM	647	N	ASN	Α	100	-2.315	-2.334	32.435	1.00 14.80
ATOM	648	CA	ASN	Α	100	-1.609	-1.054	32.562	1.00 12.64
ATOM	649	CB	ASN	Α	100	-1.818	-0.440	33.951	1.00 11.26
MOTA	650	CG	ASN	Α	100	-1.326	0.997	33.976	1.00 13.09
ATOM	651	OD1	ASN	Α	100	-0.260	1.278	33.456	1.00 13.19
ATOM	652	ND2	ASN	Α	100	-2.099	1.903	34.579	1.00 15.88
ATOM	653	С	ASN	Α	100	-0.134	-1.242	32.244	1.00 10.03
ATOM	654	0	ASN	Α	100	0.698	-1.477	33.119	1.00 12.85
ATOM	655	N	ALA	Α	101	0.193	-1.152	30.946	1.00 10.66
ATOM	656	CA	ALA	Α	101	1.550	-1.361	30.488	1.00 9.30
ATOM	657	CB	ALA	Α	101	1.839	-2.863	30.397	1.00 13.80
ATOM	658	С	ALA	Α	101	1.777	-0.712	29.125	1.00 6.85
ATOM	659	0	ALA	A	101	0.809	-0.539	28.394	1.00 12.08
ATOM	660	N	SER	Α	102	3.026	-0.393	28.829	1.00 9.92
ATOM	661	CA	SER	Α	102	3.389	0.362	27.641	1.00 14.73
ATOM	662	CB	SER	Α	102	3.650	1.831	28.010	1.00 11.60
ATOM	663	OG	SER	Α	102	2.561	2.407	28.691	1.00 11.12
MOTA	664	С	SER	Α	102	4.644	-0.211	26.986	1.00 15.69
ATOM	665	0	SER	Α	102	5.563	-0.654	27.686	1.00 12.17
MOTA	666	N	TYR	Α	103	4.680	-0.176	25.652	1.00 9.06
ATOM	667	CA	TYR	Α	103	5.889	-0.530	24.933	1.00 9.07
MOTA	668	CB	TYR	Α	103	5.549	-0.917	23.486	1.00 9.50
MOTA	669	CG	TYR	Α	103	4.870	-2.239	23.265	1.00 12.57
MOTA	670	CD1	TYR	Α	103	5.544	-3.435	23.487	1.00 12.90
ATOM	671	CE1	TYR	A	103	4.895	-4.640	23.272	1.00 20.46
ATOM	672	CZ	TYR			3.592	-4.680	22.839	1.00 22.70
ATOM	673	ОН	TYR			2.962	-5.894	22.627	1.00 18.14
ATOM	674	CE2	TYR	Α	103	2.903	-3.500	22.608	1.00 18.79
ATOM	675		TYR			3.551	-2.304	22.825	1.00 15.94

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MOTA	676	С	TYR			6.867	0.630	24.891		18.09
MOTA	677	0	TYR	A	103	6.457	1.768	24.641	1.00	20.48
MOTA	678	N	ILE			8.155	0.358	25.111	1.00	15.21
ATOM	679	CA	ILE	Α	104	9.108	1.466	25.121		15.90
MOTA	680	CB	ILE	Α	104	9.608	1.785	26.545		22.38
ATOM	681	CG1	ILE	Α	104	8.496	1.941	27.585		20.69
ATOM	682	CD1	ILE	Α	104	7.599	3.126	27.276	1.00	17.88
MOTA	683	CG2	ILE	Α	104	10.476	3.034	26.538		22.81
ATOM	684	С	ILE	Α	104	10.309	1.146	24.243		17.74
ATOM	685	0	ILE	Α	104	10.911	0.086	24.357	1.00	16.43
MOTA	686	N	PRO	Α	105	10.677	2.062	23.352	1.00	17.30
ATOM	687	CA	PRO	Α	105	11.894	1.894	22.563	1.00	16.76
ATOM	688	СВ	PRO	Α	105	11.837	3.088	21.592	1.00	24.69
MOTA	689	CG	PRO	Α	105	10.418	3.563	21.626	1.00	25.93
ATOM	690	CD	PRO	Α	105	9.941	3.295	23.030	1.00	21.65
ATOM	691	С	PRO			13.174	2.007	23.372	1.00	21.81
ATOM	692	0	PRO			13.286	2.726	24.368	1.00	21.23
ATOM	693	N	GLY			14.205	1.282	22.935	1.00	17.97
ATOM	694	CA	GLY			15.504	1.436	23.569	1.00	16.53
ATOM	695	C	GLY			16.557	1.885	22.578	1.00	24.48
ATOM	696	Ō	GLY			16.248	2.474	21.543	1.00	24.56
ATOM	697	N	ASN			17.824	1.595	22.858	1.00	24.62
ATOM	698	CA	ASN			18.889	2.049	21.971		31.26
ATOM	699	СВ	ASN			20.249	1.899	22.661	1.00	38.05
ATOM	700	CG	ASN			20.775	3.221	23.184	1.00	50.06
ATOM	701		ASN		107	20.008	4.143	23.476		66.78
ATOM	702		ASN			22.094	3.313	23.301		52.90
ATOM	703	C	ASN			18.917	1.269	20.663		30.81
ATOM	704	0	ASN			19.482	1.767	19.693		28.48
ATOM	705	N	ASN			18.329	0.080	20.679	1.00	32.22
MOTA	706	CA	ASN			18.512	-0.922	19.640		32.10
ATOM	707	CB	ASN			19.098	-2.184	20.305		37.07
ATOM	708	CG	ASN			20.233	-1.830	21.251		46.06
MOTA	709		ASN			21.309	-1.443	20.780		27.30
ATOM	710		ASN		108	20.005	-1.966	22.559		28.03
ATOM	711	C	ASN		108	17.262	-1.291	18.863		34.62
ATOM	712	0	ASN			17.392	-1.721	17.708		34.88
ATOM	713	N	PHE			16.060	-1.168	19.423		25.20
ATOM	714	CA	PHE			14.840	-1.500	18.690		22.97
MOTA	715	CB	PHE			14.603	-2.993	18.522		22.47
	716	CG	PHE			14.885	-3.951	19.661		28.29
MOTA	717		PHE			13.849	-4.560	20.357		24.27
MOTA			PHE			14.113	-5.455	21.391		22.67
MOTA	718					15.414	-5.748	21.750		19.40
ATOM	719	CZ	PHE			16.451	-5.143	21.061		34.44
ATOM	720		PHE			16.183	-4.259	20.033		33.01
MOTA	721		PHE							19.13
ATOM	722	C	PHE			13.620	-0.886	19.383 20.559		20.41
ATOM	723	0	PHE			13.686	-0.531	18.641		16.32
ATOM	724	N	ARG			12.538	-0.787			
ATOM	725	CA	ARG			11.318	-0.110	19.048		23.52 22.40
ATOM	726	CB	ARG			10.342	-0.036	17.853		
ATOM	727	CG	ARG	A	110	10.918	0.753	16.688	T.00	29.99

MOTA	728	CD	ARG	Α	110	9.987	1.901	16.317	1.00	44.00
ATOM	729	NE	ARG	Α	110	10.461	3.122	16.971	1.00	64.93
ATOM	730	CZ	ARG	A	110	10.694	4.269	16.352	1.00	72.68
MOTA	731	NH1	ARG	Α	110	10.494	4.368	15.044	1.00	62.39
ATOM	732	NH2	ARG	Α	110	11.125	5.318	17.045	1.00	82.09
MOTA	733	С	ARG	Α	110	10.607	-0.783	20.197	1.00	28.20
ATOM	734	0	ARG	Α	110	9.959	-0.177	21.052	1.00	29.57
MOTA	735	N	ARG	Α	111	10.665	-2.120	20.269	1.00	19.46
MOTA	736	CA	ARG	Α	111	9.868	-2.607	21.432		19.03
ATOM	737	CB	ARG	Α	111	8.795	-3.563	20.962	1.00	
ATOM	738	CG	ARG	Α	111	7.581	-2.905	20.332	1.00	
ATOM	739	CD	ARG	Α	111	6.553	-3.962	19.940	1.00	
ATOM	740	NE	ARG	Α	111	5.295	-3.339	19.524	1.00	33.18
MOTA	741	CZ	ARG	Α	111	4.166	-4.022	19.393		25.21
ATOM	742	NH1	ARG	Α	111	4.172	-5.327	19.654		22.23
ATOM	743	NH2	ARG	Α	111	3.074	-3.380	19.012		32.75
ATOM	744	С	ARG	Α	111	10.831	-3.241	22.417		17.42
ATOM	745	0	ARG	Α	111	10.720	-4.425	22.726		18.84
ATOM	746	N	GLU	Α	112	11.800	-2.432	22.855		12.49
ATOM	747	CA	GLU	Α	112	12.900	-2.998	23.629	1.00	13.99
ATOM	748	CB	GLU	Α	112	14.070	-2.005	23.581	1.00	15.59
ATOM	749	CG	GLU	Α	112	15.378	-2.703	23.860	1.00	21.33
ATOM	750	CD	GLU	Α	112	16.623	-2.023	23.352	1.00	27.40
ATOM	751	OE1	GLU	Α	112	17.658	-2.284	23.998	1.00	26.38
ATOM	752	OE2	GLU	Α	112	16.619	-1.264	22.363	1.00	
ATOM	753	С	GLU	Α	112	12.516	-3.334	25.062	1.00	18.95
ATOM	754	0	GLU	Α	112	13.022	-4.273	25.693	1.00	14.06
ATOM	755	N	TYR	Α	113	11.576	-2.551	25.570	1.00	17.52
ATOM	756	CA	TYR	Α	113	11.060	-2.731	26.911	1.00	15.61
ATOM	757	CB	TYR	Α	113	11.542	-1.629	27.858	1.00	17.96
ATOM	758	CG	TYR	Α	113	12.990	-1.237	27.756	1.00	14.87
ATOM	759	CD1	TYR	Α	113	13.405	-0.255	26.878	1.00	17.71
ATOM	760	CE1	TYR	Α	113	14.734	0.114	26.781	1.00	16.32
ATOM	761	CZ	TYR	Α	113	15.671	-0.495	27.574	1.00	15.65
ATOM	762	OH	TYR	Α	113	17.002	-0.145	27.493	1.00	18.69
ATOM	763	CE2	TYR	Α	113	15.289	-1.484	28.467	1.00	14.44
ATOM	764	CD2	TYR			13.959	-1.844	28.553	1.00	14.04
ATOM	765	С	TYR	Α	113	9.551	-2.702	26.926	1.00	9.51
ATOM	766	0	TYR	Α	113	8.855	-2.122	26.096	1.00	11.17
MOTA	767	N	ILE	Α	114	9.031	-3.382	27.957	1.00	12.36
ATOM	768	CA	ILE	Α	114	7.655	-3.187	28.333	1.00	9.29
MOTA	769	CB	ILE	Α	114	6.831	-4.487	28.322	1.00	13.67
ATOM	770	CG1	ILE	Α	114	6.425	-4.912	26.904	1.00	14.89
MOTA	771	CD1	ILE	Α	114	5.910	-6.337	26.844	1.00	15.51
ATOM	772	CG2	ILE	Α	114	5.623	-4.377	29.232	1.00	8.31
MOTA	773	С	ILE	Α	114	7.674	-2.598	29.746	1.00	16.23
MOTA	774	0	ILE	Α	114	8.249	-3.182	30.662	1.00	15.28
MOTA	775	N	VAL	Α	115	7.060	-1.438	29.910		14.17
ATOM	776	CA	VAL	Α	115	7.015	-0.801	31.225		15.15
MOTA	777	CB	VAL	Α	115	7.294	0.710	31.084		20.35
MOTA	778	CG1	VAL	Α	115	6.761	1.465	32.288		29.43
ATOM	779	CG2	VAL	Α	115	8.792	0.932	30.901	1.00	19.15

ATOM	780	С	VAL	Α	115	5.645	_	1.011	31.821	1.00	13.67
ATOM	781	0	VAL	Α	115	4.631	_	0.945	31.114	1.00	12.23
ATOM	782	N	THR	Α	116	5.556	_	1.291	33.122	1.00	13.19
ATOM	783	CA			116	4.208	_	1.553	33.635	1.00	12.05
ATOM	784	СВ	THR	Α	116	3.828	_	3.042	33.478	1.00	14.77
ATOM	785	OG1			116	2.432		3.257	33.750		13.69
ATOM	786	CG2			116	4.589	_	3.936	34.458	1.00	17.06
ATOM	787	С			116	4.173		1.057	35.072	1.00	9.33
MOTA	788	0			116	5.221		0.780	35.652	1.00	8.64
ATOM	789	N	GLN			2.982		0.942	35.626	1.00	
ATOM	790	CA	GLN			2.843		0.618	37.039	1.00	8.65
ATOM	791	СВ	GLN			1.384		0.239	37.297	1.00	9.54
ATOM	792	CG			117	0.384		1.351	37.114		12.18
ATOM	793	CD			117	-1.071		1.010	37.307		19.05
ATOM	794	OE1			117	-1.506		0.143	37.314	1.00	13.39
ATOM	795	NE2			117	-1.918		2.025	37.476	1.00	9.71
ATOM	796	C			117	3.215		1.826	37.895	1.00	
ATOM	797	0			117	3.347		2.918	37.345	1.00	
ATOM	798	N			118	3.356		1.703	39.207	1.00	
ATOM	799	CA	GLY			3.499		2.903	40.060		10.85
ATOM	800	C	GLY			2.157		3.620	40.096		13.55
ATOM	801	0	GLY			1.119		3.034	40.400		15.26
ATOM	802	N			119	2.148		4.916	39.758		12.96
ATOM	803	CA			119	0.901		5.678	39.674	1.00	9.13
ATOM	804	CB			119	1.408		7.119	39.531		18.59
ATOM	805	CG			119	2.720		6.964	38.824		19.31
ATOM	806	CD			119	3.341		5.706	39.396		15.37
ATOM	807	C	PRO			0.079		5.567	40.953	1.00	8.91
ATOM	808	0	PRO			0.680		5.487	42.027		19.14
ATOM	809	N	LEU			-1.228		5.555	40.787		13.32
ATOM	810	CA	LEU			-2.126		5.581	41.935		15.54
ATOM	811	СВ	LEU			-3.388		4.787	41.631		19.85
ATOM	812	CG	LEU			-3.158		3.297	41.331		20.01
ATOM	813	CD1				-4.225		2.766	40.392		17.81
ATOM	814	CD2	LEU			-3.135		2.537	42.646		24.41
ATOM	815	C	LEU			-2.481		7.038	42.220		19.68
ATOM	816	Ö	LEU			-2.257		7.863	41.327		18.35
ATOM	817	N	PRO			-3.030		7.304	43.390	1.00	24.41
ATOM	818	CA	PRO			-3.516		3.674	43.666	1.00	25.78
ATOM	819	CB	PRO			-4.280		3.500	44.981		26.53
ATOM	820	CG	PRO			-3.702		7.283	45.633		23.83
ATOM	821	CD	PRO			-3.243		5.377	44.519		22.44
ATOM	822	C	PRO			-4.419		9.154	42.533		25.28
ATOM	823	0	PRO			-4.338		0.302	42.074		26.89
ATOM	824	N	GLY			-5.292		3.281	42.027		28.95
ATOM	825	CA	GLY			-6.226		3.601	40.969		25.36
ATOM	826	C	GLY			-5.706		3.512	39.557		27.04
ATOM	827	o	GLY			-6.422		3.858	38.606		25.16
ATOM	828	N	THR			-4.472		3.062	39.322		18.42
ATOM	829	CA	THR			-3.944		3.084	37.954		17.40
ATOM	830	CB	THR			-3.607		5.662	37.448		16.82
ATOM	831	OG1				-2.539		5.104	38.220		16.41
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MOTA	832	CG2	THR			-4.828	-5.762	37.609	1.00 13.52
MOTA	833	С	THR	Α	123	-2.691	-8.924	37.831	1.00 15.59
ATOM	834	0	THR	Α	123	-2.040	-8.987	36.787	1.00 20.37
ATOM	835	N	LYS	Α	124	-2.242	-9.614	38.888	1.00 15.84
ATOM	836	CA			124	-0.996	-10.357	38.635	1.00 17.87
ATOM	837	СВ			124	-0.395		39.928	1.00 14.86
ATOM	838	CG			124		-11.701	40.840	1.00 15.78
ATOM	839	CD			124		-11.950	42.138	1.00 23.39
	840	CE			124		-12.535	43.232	1.00 25.01
ATOM		NZ			124		-12.822	44.422	1.00 30.58
ATOM	841						-12.622	37.639	1.00 13.08
MOTA	842	С	LYS						
MOTA	843	0	LYS				-11.858	36.969	1.00 18.52
MOTA	844	N			125		-12.084	37.537	1.00 16.39
MOTA	845	CA			125		-13.172	36.561	1.00 18.39
MOTA	846	CB			125		-13.887	36.710	1.00 25.32
MOTA	847	CG			125		-14.629	38.028	1.00 28.44
MOTA	848		ASP				-14.835	38.666	1.00 26.58
ATOM	849	OD2	ASP	Α	125	-5.108	-14.987	38.393	1.00 36.95
MOTA	850	С	ASP	Α	125	-2.397	-12.588	35.160	1.00 17.43
MOTA	851	0	ASP	Α	125	-1.848	-13.215	34.260	1.00 22.46
ATOM	852	N	ASP	Α	126	-2.906	-11.376	35.006	1.00 18.42
ATOM	853	CA			126	-2.740	-10.637	33.754	1.00 17.99
ATOM	854	СВ			126	-3.494	-9.310	33.841	1.00 20.62
ATOM	855	CG			126	-4.982	-9.448	34.061	1.00 38.88
ATOM	856		ASP				-10.322	33.434	1.00 37.14
ATOM	857		ASP			-5.512	-8.656	34.867	1.00 50.50
ATOM	858	C			126	-1.278	-10.346	33.451	1.00 19.58
	859	0			126		-10.451	32.338	1.00 19.76
ATOM			PHE			-0.558	-9.916	34.485	1.00 20.86
ATOM	860	N				0.860	-9.628	34.340	1.00 20.00
ATOM	861	CA			127				1.00 14.45
ATOM	862	CB	PHE			1.450	-9.238	35.698	
ATOM	863	CG	PHE			2.959	-9.103	35.725	1.00 16.56
ATOM	864	CD1				3.522	-7.877	35.359	1.00 14.21
MOTA	865		PHE			4.879		35.354	1.00 16.34
ATOM	866	CZ	PHE			5.727	-8.740	35.709	1.00 23.61
ATOM	867		PHE			5.187	-9.955	36.082	1.00 17.94
MOTA	868	CD2	PHE			3.820	-10.126	36.094	1.00 10.35
ATOM	869	С	PHE			1.581	-10.861	33.812	1.00 17.74
ATOM	870	0	PHE				-10.836	32.917	1.00 13.35
MOTA	871	N	TRP	Α	128	1.311	-12.025	34.435	1.00 11.40
ATOM	872	CA	TRP	Α	128	2.102	-13.181	33.987	1.00 15.21
ATOM	873	СВ	TRP	Α	128	1.989	-14.340	34.993	1.00 10.56
ATOM	874	CG	TRP			2.845	-14.116	36.205	1.00 8.09
ATOM	875		TRP			2.376	-13.938	37.463	1.00 11.21
ATOM	876		TRP				-13.764	38.325	1.00 8.52
ATOM	877		TRP				-13.825	37.643	1.00 13.75
ATOM	878		TRP				-14.046	36.298	1.00 12.80
	879		TRP				-14.155	35.373	1.00 11.11
ATOM	880		TRP				-14.133	35.821	1.00 11.11
ATOM							-13.810	37.181	1.00 11.30
ATOM	881		TRP					38.112	1.00 15.43
ATOM	882		TRP				-13.701		
ATOM	883	С	TRP	Α	T58	1.654	-13.612	32.601	1.00 12.30

MOTA	884	0	TRP	Α	128	2.460	-14.098	31.798	1.00 20	0.27
MOTA	885	N			129	0.386	-13.432	32.287	1.00 1	4.47
MOTA	886	CA	LYS	Α	129	-0.123	-13.666	30.937		9.61
MOTA	887	CB	LYS	Α	129	-1.619	-13.344	30.895	1.00 1	7.71
MOTA	888	CG	LYS	Α	129	-2.234	-13.587	29.519	1.00 2	5.76
MOTA	889	CD	LYS	Α	129	-3.746	-13.768	29.659	1.00 30	0.81
ATOM	890	CE	LYS	Α	129	-4.330	-14.309	28.366	1.00 42	2.38
ATOM	891	ΝZ	LYS	Α	129	-5.236	-13.325	27.707	1.00 6	4.19
MOTA	892	С	LYS	Α	129	0.600	-12.834	29.884	1.00 20	0.15
ATOM	893	0	LYS	Α	129	0.974	-13.321	28.816	1.00 19	9.90
ATOM	894	N	MET	Α	130	0.803	-11.553	30.185	1.00 15	5.51
ATOM	895	CA	MET	Α	130	1.625	-10.693	29.342	1.00 12	2.30
ATOM	896	CB	MET	Α	130	1.651	-9.264	29.941	1.00 13	3.90
ATOM	897	CG	MET	Α	130	2.496	-8.310	29.089	1.00 21	1.15
ATOM	898	SD	MET	Α	130	2.449	-6.632	29.804	1.00 18	3.25
ATOM	899	CE	MET	Α	130	3.476	-6.963	31.261	1.00	9.99
ATOM	900	С	MET	Α	130	3.032	-11.212	29.173	1.00 12	2.39
ATOM	901	0	MET	Α	130	3.562	-11.277	28.043	1.00 16	5.98
ATOM	902	N	VAL	Α	131	3.694	-11.586	30.273	1.00 12	2.09
ATOM	903	CA	VAL	Α	131	5.070	-12.076	30.234	1.00 11	.97
ATOM	904	CB	VAL	Α	131	5.538	-12.430	31.659	1.00 16	5.20
ATOM	905	CG1	VAL	Α	131	6.799	-13.282	31.685	1.00 15	5.59
ATOM	906	CG2	VAL	Α	131	5.769	-11.144	32.455	1.00 15	3.38
ATOM	907	С	VAL	Α	131	5.163	-13.304	29.317	1.00 15	.84
ATOM	908	0	VAL	Α	131	6.079	-13.467	28.514	1.00 16	5.14
ATOM	909	N	TRP	Α	132	4.164	-14.167	29.469	1.00 14	.48
ATOM	910	CA	TRP	Α	132	4.080	-15.371	28.632	1.00 22	.42
MOTA	911	CB	TRP	Α	132	2.932	-16.265	29.104	1.00 21	.06
MOTA	912	CG	TRP	Α	132	2.745	-17.494	28.255	1.00 22	.35
ATOM	913	CD1	TRP	Α	132	1.874	-17.689	27.232	1.00 23	3.78
ATOM	914	NE1	TRP	Α	132	2.025	-18.958	26.719	1.00 33	.60
ATOM	915	CE2	TRP	Α	132	3.010	-19.603	27.414	1.00 33	.31
MOTA	916	CD2	TRP	Α	132	3.490	-18.709	28.393	1.00 28	.48
ATOM	917	CE3	TRP	Α	132	4.512	-19.117	29.253	1.00 28	.47
ATOM	918	CZ3	TRP	Α	132	5.026	-20.393	29.117	1.00 36	.09
ATOM	919	CH2	TRP	Α	132	4.526	-21.255	28.134	1.00 36	.28
ATOM	920	CZ2	TRP	Α	132	3.528	-20.889	27.277	1.00 36	.96
ATOM	921	С	TRP	Α	132	3.856	-15.027	27.164	1.00 20	.60
ATOM	922	0	TRP	Α	132	4.646	<b>-</b> 15.362	26.287	1.00 21	.95
ATOM	923	N	GLU	Α	133	2.758	-14.324	26.879	1.00 25	.53
ATOM	924	CA	GLU	Α	133	2.457	-13.988	25.485	1.00 19	.74
ATOM	925	CB	GLU	Α	133	1.135	-13.223	25.431	1.00 18	.87
ATOM	926	CG	GLU	Α	133	-0.060	-14.082	25.806	1.00 25	.68
ATOM	927	CD	GLU	Α	133	-1.358	-13.302	25.838	1.00 29	.70
ATOM	928	OE1	GLU	Α	133	-1.312	-12.052	25.763	1.00 30	.46
ATOM	929	OE2	GLU	Α	133	-2.414	-13.968	25.938	1.00 36	.60
MOTA	930	С	GLU	А	133	3.539	-13.175	24.804	1.00 28	.51
ATOM	931	0	GLU	Α	133	3.674	-13.293	23.581	1.00 21	
MOTA	932	N	GLN				-12.351	25.538		.31
ATOM	933	CA	GLN	Α	134		-11.491	24.889		.87
ATOM	934	СВ	GLN				-10.130	25.608		.70
ATOM	935	CG	GLN			4.018	-9.384	25.508	1.00 16	

ATOM	936	CD	GLN			3.914	-8.755	24.122		23.73
MOTA	937	OE1	GLN	Α	134	4.912	-8.253	23.602		28.15
ATOM	938	NE2	GLN			2.717	-8.831	23.569		32.92
ATOM	939	С	GLN	А	134		-12.107	24.865		20.31
MOTA	940	0	GLN				-11.458	24.496		17.95
ATOM	941	N	ASN	Α	135		-13.370	25.276		19.01
ATOM	942	CA	ASN	Α	135	8.098	-13.993	25.193		21.67
MOTA	943	CB	ASN	Α	135	8.553	-13.988	23.723		21.93
ATOM	944	CG	ASN	Α	135		-14.985	22.931		35.97
ATOM	945	OD1	ASN	Α	135		-16.184	23.006		58.93
MOTA	946	ND2	ASN	Α	135		-14.503	22.186	1.00	42.17
ATOM	947	C	ASN	Α	135	9.119	-13.307	26.077		19.81
ATOM	948	0	ASN	Α	135	10.309	-13.220	25.769		16.12
MOTA	949	N	VAL	Α	136		-12.799	27.229		20.36
ATOM	950	CA	VAL	Α	136	9.581	-12.111	28.122	1.00	15.08
ATOM	951	CB	VAL	Α	136	8.778	-11.340	29.200		15.13
MOTA	952	CG1	VAL	A	136	9.745	-10.779	30.232	1.00	12.04
ATOM	953	CG2	VAL	Α	136	7.926	-10.264	28.538	1.00	15.49
ATOM	954	С	VAL	Α	136	10.502	-13.092	28.836	1.00	14.70
MOTA	955	0	VAL	Α	136	9.982	-14.072	29.366		16.57
ATOM	956	N	HIS	Α	137	11.802	-12.874	28.906		14.74
ATOM	957	CA	HIS	Α	137	12.674	-13.744	29.696	1.00	21.99
ATOM	958	СВ	HIS	Α	137	13.779	-14.320	28.813		29.85
ATOM	959	CG	HIS	Α	137	13.243	-15.085	27.643	1.00	41.77
ATOM	960	ND1	HIS	Α	137	12.224	-14.609	26.847	1.00	47.82
ATOM	961	CE1	HIS	Α	137	11.951	-15.483	25.894	1.00	50.67
ATOM	962	NE2	HIS	Α	137	12.762	-16.515	26.043		51.38
ATOM	963	CD2	HIS	A	137	13.575	-16.290	27.131	1.00	52.47
ATOM	964	С	HIS	Α	137	13.278	-12.993	30.881	1.00	19.04
ATOM	965	0	HIS	Α	137	13.809	-13.584	31.822	1.00	20.60
MOTA	966	N	ASN	Α	138	13.193	-11.663	30.864	1.00	14.47
ATOM	967	CA	ASN	Α	138	13.841	-10.854	31.884		13.33
ATOM	968	CB	ASN	Α	138	15.068	-10.147	31.291	1.00	17.70
MOTA	969	CG	ASN	Α	138	16.167	-11.101	30.874	1.00	22.71
ATOM	970	OD1	ASN	Α	138	16.544	-11.199	29.699	1.00	22.97
ATOM	971	ND2	ASN	Α	138	16.701	-11.826	31.845	1.00	11.98
MOTA	972	С	ASN	Α	138	12.881	-9.806	32.455	1.00	19.07
ATOM	973	0	ASN	A	138	12.306	-9.048	31.668		14.29
ATOM	974	N	ILE	A	139	12.750	-9.775	33.771		13.58
MOTA	975	CA	ILE	A	139	11.914	-8.814	34.474		17.38
ATOM	976	CB	ILE	Α	139	10.769	-9.506	35.247	1.00	14.95
ATOM	977	CG1	ILE	Α	139	9.801	-10.303	34.371	1.00	16.27
MOTA	978	CD1	ILE	Α	139	8.895	-11.256	35.154		11.30
ATOM	979	CG2	ILE	Α	139	10.015	-8.481	36.087		10.83
ATOM	980	С	ILE	Α	139	12.749	-7.985	35.446		22.75
MOTA	981	0	ILE			13.512	-8.536	36.247		19.39
ATOM	982	N	VAL			12.624	-6.663	35.401		11.65
ATOM	983	CA	VAL			13.383	-5.800	36.301	1.00	8.08
MOTA	984	СВ	VAL			14.205	-4.745	35.542	1.00	17.09
ATOM	985		VAL	Α	140	14.949	-3.802	36.480		11.40
ATOM	986	CG2	VAL	Α	140	15.188	-5.436	34.593		15.24
ATOM	987	С	VAL	A	140	12.387	-5.094	37.211	1.00	15.07

MOTA	988	0	VAL	A	140	11.457	-4.455	36.710	1.00 14.02
MOTA	989	N	MET	Α	141	12.575	-5.238	38.515	1.00 14.68
ATOM	990	CA	MET	Α	141	11.685	-4.587	39.483	1.00 13.84
MOTA	991	CB	MET	Α	141	11.042	-5.664	40.363	1.00 10.75
ATOM	992	CG			141	10.187	-5.130	41.494	1.00 13.65
ATOM	993	SD			141	9.374	-6.486	42.348	1.00 17.62
									1.00 17.02
ATOM	994	CE	MET		141	8.443	-5.608	43.606	
MOTA	995	С	MET		141	12.481	-3.580	40.309	1.00 15.95
MOTA	996	0	MET		141	13.483	-3.948	40.946	1.00 13.08
MOTA	997	N	VAL	Α	142	12.088	-2.304	40.318	1.00 11.30
ATOM	998	CA	VAL	Α	142	12.946	-1.331	41.013	1.00 9.46
MOTA	999	CB	VAL	Α	142	13.600	-0.291	40.092	1.00 13.94
ATOM	1000	CG1	VAL	Α	142	14.741	-0.924	39.288	1.00 13.37
ATOM	1001	CG2			142	12.590	0.342	39.149	1.00 17.83
ATOM	1002	C			142	12.140	-0.611	42.099	1.00 17.41
ATOM	1002	0			142	12.299	0.591	42.303	1.00 23.87
							-1.355	42.791	1.00 23.07
ATOM	1004	N			143	11.299			
ATOM	1005	CA			143	10.552	-0.929	43.977	1.00 16.41
ATOM	1006	CB			143	9.117	-0.509	43.638	1.00 23.66
ATOM	1007	OG1			143	8.452	0.041	44.789	1.00 20.68
MOTA	1008	CG2	THR	Α	143	8.267	-1.698	43.207	1.00 9.56
MOTA	1009	С	THR	Α	143	10.561	-2.079	44.982	1.00 22.05
MOTA	1010	0	THR	Α	143	10.851	-3.218	44.614	1.00 15.75
ATOM	1011	N	GLN	Α	144	10.262	-1.792	46.241	1.00 15.62
ATOM	1012	CA			144	9.910	-2.851	47.187	1.00 19.93
ATOM	1013	СВ			144	10.410	-2.626	48.609	1.00 17.14
ATOM	1014	CG			144	11.927	-2.605	48.704	1.00 20.52
ATOM	1015	CD			144	12.348	-2.080	50.072	1.00 35.53
			GLN			12.254	-2.790	51.068	1.00 40.58
ATOM	1016								
MOTA	1017		GLN			12.801	-0.835	50.111	1.00 40.58
MOTA	1018	С			144	8.384	-2.911	47.180	1.00 22.04
MOTA	1019	0			144	7.791	-1.911	46.762	1.00 16.80
MOTA	1020	N	CYS	Α	145	7.844	-4.039	47.614	1.00 15.58
MOTA	1021	CA	CYS	Α	145	6.417	-4.249	47.637	1.00 12.91
ATOM	1022	CB	CYS	Α	145	6.103	-5.685	48.076	1.00 16.62
MOTA	1023	SG	CYS	Α	145	6.632	-6.849	46.778	1.00 21.90
ATOM	1024	С	CYS	Α	145	5.740	-3.273	48.598	1.00 16.44
ATOM	1025	0	CYS	Α	145	4.638	-2.796	48.381	1.00 16.10
ATOM	1026	N			146	6.468	-3.025	49.680	1.00 17.59
ATOM	1027	CA	VAL			5.917	-2.095	50.680	1.00 20.28
ATOM	1028	CB			146	5.285	-2.784	51.889	1.00 22.74
	1029		VAL			4.932	-1.757	52.972	1.00 22.42
ATOM									
ATOM	1030		VAL			4.037	-3.548	51.478	1.00 22.17
ATOM	1031	С			146	7.070	-1.198	51.104	1.00 16.66
MOTA	1032	0	VAL			8.171	-1.704	51.357	1.00 18.81
MOTA	1033	N	GLU			6.824	0.111	51.141	1.00 13.43
MOTA	1034	CA	GLU	Α	147	7.898	0.995	51.588	1.00 16.86
MOTA	1035	CB	GLU	A	147	8.417	1.873	50.447	1.00 21.49
ATOM	1036	CG	GLU	Α	147	9.145	1.028	49.405	1.00 26.38
ATOM	1037	CD	GLU			9.550	1.808	48.172	1.00 37.10
ATOM	1038		GLU			9.453	3.051	48.188	1.00 32.89
ATOM	1039		GLU			9.980	1.139	47.206	1.00 27.53
		·							

ATOM	1040	С	GLU A	147	7.403	1.850	52.761	1.00 19.26
MOTA	1041	0	GLU A	147	6.402		52.577	1.00 27.69
MOTA	1042	N	LYS F		8.115		53.874	1.00 26.96
ATOM	1043	CA	LYS F		7.743		55.125	1.00 26.67
MOTA	1044	СВ		148	8.105		55.092	1.00 33.37
ATOM	1045	CG		148	9.582		55.371	1.00 42.34
MOTA	1046	CD	LYS A		10.220		54.226	1.00 49.37
MOTA	1047	CE	LYS A		11.467		54.685	1.00 56.84
ATOM	1048	ΝZ	LYS A		11.213		54.810	1.00 51.81
MOTA	1049	С	LYS A		6.261	2.210	55.380	1.00 29.22
ATOM	1050	0	LYS A		5.510		55.771	1.00 34.85
ATOM	1051	N	GLY A		5.788	0.979	55.133	1.00 21.30
ATOM	1052	CA	GLY A		4.379		55.390	1.00 23.12
ATOM	1053	С	GLY A		3.451	1.142	54.264	1.00 28.88
ATOM ATOM	1054 1055	O N	GLY A		2.288	0.724	54.322	1.00 23.12
ATOM	1056	CA	ARG A		3.892	1.910	53.264	1.00 23.43
ATOM	1050	CB	ARG A		2.967 3.237	2.235 3.651	52.172 51.657	1.00 19.35 1.00 27.51
ATOM	1058	CG	ARG A		3.022	4.689	52.755	1.00 27.31
ATOM	1059	CD	ARG A		3.433	6.085	52.733	1.00 36.83
ATOM	1060	NE	ARG A		4.879	6.252	52.377	1.00 40.90
ATOM	1061	CZ	ARG A		5.541	7.218	52.990	1.00 54.45
ATOM	1062		ARG A		4.899	8.166	53.652	1.00 33.23
ATOM	1063		ARG A		6.868	7.238	52.944	1.00 64.89
ATOM	1064	С	ARG A		3.097	1.201	51.060	1.00 17.74
ATOM	1065	0	ARG A		4.206	0.894	50.604	1.00 20.32
ATOM	1066	N	VAL A		1.980	0.628	50.655	1.00 18.03
ATOM	1067	CA	VAL A	151	1.948	-0.432	49.654	1.00 23.37
ATOM	1068	CB	VAL A	151	0.528	-1.030	49.571	1.00 28.77
ATOM	1069	CG1	VAL A	151	0.412	-2.015	48.412	1.00 18.49
ATOM	1070	CG2	VAL A	151	0.162	-1.691	50.895	1.00 20.07
ATOM	1071	С	VAL A	151	2.351	0.114	48.294	1.00 20.37
ATOM	1072	0	VAL A	151	1.847	1.164	47.899	1.00 19.29
ATOM	1073	N	LYS A		3.209	-0.566	47.557	1.00 18.81
ATOM	1074	CA	LYS A		3.673	-0.055	46.270	1.00 16.66
MOTA	1075	CB	LYS A		5.157	0.303	46.308	1.00 10.31
ATOM	1076	CG	LYS A		5.629	1.240	47.419	1.00 16.94
ATOM	1077	CD		152	5.089	2.652	47.170	1.00 19.08
ATOM	1078	CE	LYS A		5.831	3.663	48.050	1.00 16.36
ATOM	1079	ΝZ	LYS A		5.565	5.051	47.592	1.00 31.76
ATOM	1080	C	LYS A		3.460	-1.111	45.189	1.00 18.63
ATOM	1081	0	LYS A		3.313	-0.808	44.006	1.00 14.72
ATOM	1082	N	CYS A		3.472	-2.381	45.605	1.00 10.99
ATOM	1083	CA	CYS A		3.426	-3.447	44.599	1.00 14.85
ATOM ATOM	1084 1085	CB SG	CYS A		4.777	-3.577	43.886	1.00 10.33
ATOM	1085	SG C	CYS A		4.784	-4.845	42.573	1.00 15.08
ATOM	1087	0	CYS A		3.025 3.429	-4.752 -5.011	45.279	1.00 19.72
ATOM	1087	N	ASP A		2.207	-5.011 -5.564	46.409 44.633	1.00 17.06 1.00 14.81
ATOM	1089	CA	ASP A		1.872	-6.852	45.241	1.00 14.81
ATOM	1090	CB	ASP A		0.662	-7.429	44.514	1.00 13.17
ATOM	1091	CG	ASP A		0.186	-8.745	45.101	1.00 12.39
					0.100	0.730	10.101	1.00 24.42

ATOM	1092	OD1	ASP	Α	154	0.232	-9.777	44.397	1.00 33.37
ATOM	1093	OD2	ASP	Α	154	-0.223	-8.736	46.278	1.00 26.94
ATOM	1094	С			154	3.083	-7.782	45.165	1.00 21.36
ATOM	1095	0	ASP			3.914	-7.662	44.252	1.00 23.22
	1096	_				3.228	-8.717	46.091	1.00 25.22
ATOM		N			155				
ATOM	1097	CA			155	4.241	-9.766	46.046	1.00 19.74
MOTA	1098	CB			155		-10.390	47.434	1.00 18.44
ATOM	1099	CG	HIS	Α	155		-11.249	47.473	1.00 16.91
MOTA	1100	ND1	HIS	Α	155	5.772	-12.503	46.910	1.00 21.58
MOTA	1101	CE1	HIS	Α	155	6.975	-13.028	47.088	1.00 15.22
ATOM	1102	NE2	HIS	Α	155	7.719	-12.158	47.752	1.00 21.40
ATOM	1103		HIS				-11.046	47.997	1.00 13.16
ATOM	1104	C	HIS				-10.828	45.054	1.00 25.16
ATOM	1105	0	HIS				-11.863	45.434	1.00 22.33
							-10.543		
ATOM	1106	N			156			43.764	1.00 14.86
ATOM	1107	CA			156		-11.265	42.715	1.00 14.13
MOTA	1108	CB			156		-10.354	41.479	1.00 13.04
ATOM	1109	CG	TYR	Α	156	4.342	-9.814	40.905	1.00 13.16
MOTA	1110	CD1	TYR	Α	156	5.071	-10.496	39.932	1.00 10.49
ATOM	1111	CE1	TYR	Α	156	6.239	-10.006	39.407	1.00 17.75
MOTA	1112	CZ	TYR	Α	156	6.718	-8.786	39.842	1.00 15.46
MOTA	1113	ОН	TYR	Α	156	7.895	-8.286	39.320	1.00 14.59
ATOM	1114	CE2	TYR			6.021	-8.087	40.801	1.00 14.68
ATOM	1115	CD2	TYR			4.843	-8.585	41.331	1.00 12.40
	1116	C	TYR				-12.526	42.265	1.00 17.42
ATOM									
ATOM	1117	0	TYR				-13.067	41.242	1.00 15.62
MOTA	1118	N	TRP				-12.933	42.972	1.00 21.73
MOTA	1119	CA			157		-14.154	42.677	1.00 16.38
ATOM	1120	CB	TRP	Α	157		-13.878	42.223	1.00 14.65
ATOM	1121	CG	TRP	Α	157	7.993	-13.290	43.317	1.00 20.93
ATOM	1122	CD1	TRP	Α	157	8.817	-13.924	44.200	1.00 19.30
ATOM	1123	NE1	TRP	Α	157	9.401	-13.009	45.041	1.00 18.29
MOTA	1124	CE2	TRP	Α	157	8.956	-11.758	44.703	1.00 20.37
ATOM	1125	CD2			157		-11.895	43.622	1.00 12.37
ATOM	1126	CE3	TRP				-10.759	43.083	1.00 15.46
ATOM	1127	CZ3	TRP			7.772	-9.522	43.635	1.00 13.34
ATOM	1128	CH2	TRP			8.657	-9.418	44.709	1.00 18.59
ATOM	1129	CZ2	TRP				-10.519	45.259	1.00 21.33
		CZZ							1.00 21.33
ATOM	1130		TRP				-15.029	43.926	
ATOM	1131	0	TRP				-14.475	44.994	1.00 24.21
ATOM	1132	N	PRO				-16.316	43.798	1.00 29.81
MOTA	1133	CA	PRO				-17.206	44.965	1.00 32.16
ATOM	1134	CB	PRO				-18.527	44.371	1.00 30.44
MOTA	1135	CG	PRO	Α	158	6.069	-18.476	42.946	1.00 26.74
ATOM	1136	CD	PRO	Α	158	6.307	-17.040	42.542	1.00 22.30
ATOM	1137	С	PRO	Α	158	6.961	-16.803	46.089	1.00 29.52
ATOM	1138	0	PRO				-16.362	45.866	1.00 43.48
ATOM	1139	N	ALA				-16.986	47.322	1.00 34.03
ATOM	1140	CA	ALA				-16.748	48.519	1.00 33.58
ATOM	1141	CB	ALA				-16.986	49.760	1.00 33.30
			ALA						
ATOM	1142	C					-17.621	48.576	1.00 32.85
ATOM	1143	0	ALA	А	129	9.602	-17.201	49.045	1.00 40.76

ATOM	1144	N	ASP	A	160	8.427	-18.858	48.101	1.00 2	
ATOM	1145	CA	ASP .	Α	160	9.520	-19.826	48.164	1.00 2	28.99
ATOM	1146	CB	ASP.	Α	160	9.468	-20.587	49.485	1.00 2	27.85
ATOM	1147	CG	ASP	A	160	8.150	-21.298	49.727	1.00	33.73
MOTA	1148	OD1	ASP			7.767	-21,452	50.910	1.00	36.35
ATOM	1149		ASP				-21.709	48.750	1.00	38.51
ATOM	1150	C	ASP				-20.784	46.983	1.00 2	
ATOM	1151	0	ASP .				-20.443	45.951	1.00 2	
	1152	N	GLN				-21.975	47.125	1.00	
MOTA	1153		GLN .				-22.904	46.006	1.00 2	
ATOM		CA	GLN .				-23.901	46.254	1.00	
ATOM	1154	CB						45.720	1.00	
MOTA	1155	CG	GLN .			12.575				
ATOM	1156	CD	GLN .				-23.856	46.547	1.00	
ATOM	1157	OE1				14.390		46.229	1.00 5	
MOTA	1158	NE2	GLN .				-23.128	47.619	1.00	
ATOM	1159	С	GLN .				-23.664	45.760	1.00	
MOTA	1160	0	GLN .				-24.481	44.833	1.00 2	
ATOM	1161	N	ASP .	A	162		-23.443	46.559	1.00	
MOTA	1162	CA	ASP .	A	162	6.508	-24.162	46.313	1.00 2	
ATOM	1163	CB	ASP .	A	162	5.547	-24.078	47.488	1.00 2	27.76
ATOM	1164	CG	ASP.	Α	162	5.916	-24.971	48.652	1.00	40.60
ATOM	1165	OD1	ASP .	Α	162	7.006	-25.582	48.628	1.00	39.74
ATOM	1166	OD2	ASP.	Α	162	5.099	-25.049	49.598	1.00	66.88
ATOM	1167	С	ASP .	Α	162	5.855	-23.557	45.072	1.00 2	29.94
ATOM	1168	0	ASP.			5.977	-22.348	44.880	1.00	36.10
ATOM	1169	N	SER				-24.359	44.249	1.00 2	23.42
ATOM	1170	CA	SER				-23.839	42.997	1.00 2	21.05
ATOM	1171	СВ	SER				-24.994	41.988	1.00 2	
ATOM	1172	OG	SER .				-26.074	42.630	1.00 2	
ATOM	1173	C	SER .				-23.190	43.194	1.00	
ATOM	1174	0	SER .				-23.381	44.183	1.00 2	
ATOM	1175	N	LEU .				-22.379	42.208	1.00 2	
MOTA	1176	CA	LEU				-21.708	42.296	1.00	
ATOM	1177	CB	LEU .				-20.333	42.942	1.00 2	
ATOM	1178	CG	LEU .				-20.210	44.457	1.00	
ATOM	1179	CD1					-18.736	44.854	1.00	
			LEU .				-20.862	45.021	1.00	
ATOM	1180						-21.526	40.897	1.00	
MOTA	1181	C	LEU .				-21.285	39.990	1.00 2	
ATOM	1182	0	LEU .							
MOTA	1183	N	TYR .					40.758		
ATOM	1184	CA	TYR .				-21.169	39.550	1.00 2	
ATOM	1185	CB	TYR .				-21.741	39.489	1.00	
ATOM	1186	CG	TYR .				-23.194	39.073	1.00 2	
ATOM	1187	CD1					-24.180	40.038	1.00	
MOTA	1188	CE1					-25.515	39.711	1.00	
ATOM	1189	CZ	TYR .				-25.882	38.390	1.00	
MOTA	1190	OH	TYR .				-27.227	38.066	1.00 2	
ATOM	1191		TYR .				-24.928	37.410	1.00	
ATOM	1192	CD2	TYR .	Α	165		-23.582	37.740	1.00 2	
ATOM	1193	С	TYR .	A	165	-1.076	-19.646	39.464	1.00 2	25.11
ATOM	1194	0	TYR .			-1.337	-18.969	40.459	1.00	19.81
MOTA	1195	N	TYR .	A	166	-0.938	-19.095	38.264	1.00	18.82

ATOM	1196	CA	TYR	Α	166		-17.719	38.014	1.00 23.86
MOTA	1197	CB	TYR	Α	166	-0.202	-16.754	37.949	1.00 25.11
ATOM	1198	CG	TYR	A	166	0.652	-16.636	39.182	1.00 17.66
ATOM	1199	CD1	TYR	Α	166		-15.669	40.134	1.00 17.33
MOTA	1200	CE1	TYR	Α	166	1.133	-15.541	41.265	1.00 20.35
ATOM	1201	CZ	TYR	Α	166	2.205	-16.369	41.485	1.00 26.41
ATOM	1202	ОН	TYR	Α	166	2.943	-16.198	42.636	1.00 24.80
ATOM	1203	CE2			166	2.521	-17.338	40.561	1.00 24.56
ATOM	1204	CD2			166		-17.457	39.421	1.00 19.47
ATOM	1205	C			166		-17.720	36.706	1.00 15.43
ATOM	1206	Ō			166		-17.809	35.655	1.00 16.56
MOTA	1207	N	GLY				-17.641	36.810	1.00 17.70
ATOM	1208	CA	GLY				-17.953	35.792	1.00 24.28
ATOM	1209	C	GLY				-19.347	35.220	1.00 31.57
ATOM	1210	0	GLY				-20.338	35.943	1.00 28.31
ATOM	1211	N	ASP				-19.435	33.943	1.00 24.61
	1211	CA	ASP				-20.695	33.265	1.00 28.49
ATOM	1212	CB	ASP				-20.622	31.802	1.00 29.53
ATOM	1213	CG	ASP				-20.382	31.765	1.00 33.69
MOTA			ASP				-21.001	32.589	1.00 33.30
ATOM	1215		ASP				-19.582	30.947	1.00 43.14
ATOM	1216						-21.097	33.273	1.00 43.14
ATOM	1217	C	ASP					32.667	1.00 28.08
ATOM	1218	0	ASP				-22.113		1.00 34.81
ATOM	1219	N	LEU				-20.309	33.937	
ATOM	1220	CA	LEU				-20.623	33.989	
MOTA	1221	CB			169		-19.356	33.795	1.00 21.38
ATOM	1222	CG	LEU				-18.594	32.489	1.00 25.30
MOTA	1223		LEU				-17.313	32.456	1.00 21.42
ATOM	1224		LEU				-19.474	31.290	1.00 27.51
ATOM	1225	С	LEU				-21.268	35.322	1.00 19.04
MOTA	1226	0	LEU				-21.003	36.309	1.00 21.82
ATOM	1227	N	ILE				-22.084	35.337	1.00 20.12
MOTA	1228	CA	ILE				-22.592	36.587	1.00 21.11
MOTA	1229	CB	ILE				-24.120	36.675	1.00 20.24
ATOM	1230	CG1	ILE				-24.795	36.514	1.00 27.42
ATOM	1231	CD1	ILE				-26.292	36.777	1.00 29.31
ATOM	1232	CG2	ILE	Α	170		-24.547	37.980	1.00 23.61
MOTA	1233	С	ILE				-22.031	36.736	1.00 20.55
MOTA	1234	0	ILE	Α	170		-22.062	35.786	1.00 28.78
MOTA	1235	N	LEU	Α	171		-21.531	37.926	1.00 22.31
ATOM	1236	CA	LEU				-20.881	38.181	1.00 24.43
MOTA	1237	СВ	LEU	A	171	4.758	-19.393	38.433	1.00 27.91
ATOM	1238	CG	LEU	А	171	5.910	-18.408	38.278	1.00 37.79
ATOM	1239	CD1	LEU	Α	171	5.400	-17.017	37.942	1.00 44.63
MOTA	1240	CD2	LEU	Α	171	6.747	-18.374	39.551	1.00 34.65
ATOM	1241	С	LEU				-21.519	39.352	1.00 19.86
MOTA	1242	0	LEU	Α	171	5.179	-21.847	40.382	1.00 20.05
ATOM	1243	N	GLN				-21.692	39.203	1.00 21.32
ATOM	1244	CA	GLN			7.936	-22.247	40.234	1.00 29.54
MOTA	1245	СВ	GLN				-23.689	39.862	1.00 43.33
ATOM	1246	CG	GLN			7.514	-24.770	40.555	1.00 53.47
MOTA	1247	CD	${\tt GLN}$			8.301	-26.042	40.814	1.00 63.05

7.5014	1040	0.11	CTN	71	170	0 060	-26.503	39.964	1 00	39.02
ATOM	1248		GLN				-26.624	41.998		64.69
ATOM	1249		GLN				-20.024 $-21.440$	40.411		19.61
ATOM	1250	C	GLN					39.457		19.10
ATOM	1251	0	GLN				-21.265 -20.971	41.628		16.88
ATOM	1252	N			173			41.863		19.35
ATOM	1253	CA			173		-20.353			24.60
ATOM	1254	CB	MET				-19.485	43.130		27.16
ATOM	1255	CG			173		-18.710	43.277		
ATOM	1256	SD	MET				-17.267	44.349		39.15
MOTA	1257	CE			173		-18.102	45.934		35.39
ATOM	1258	С			173		-21.384	42.027		24.07
MOTA	1259	0			173		-22.072	43.043		31.47
ATOM	1260	N	LEU				-21.438	41.036		23.52
MOTA	1261	CA	LEU				-22.311	40.998		33.03
MOTA	1262	CB	LEU				-22.478	39.543		27.30
MOTA	1263	CG	LEU				-23.075	38.590		32.33
MOTA	1264	CD1					-23.477	37.276		44.31
MOTA	1265		LEU				-24.270	39.214		40.73
MOTA	1266	С	LEU				-21.796	41.841		33.13
ATOM	1267	0	LEU				-22.565	42.431		36.31
ATOM	1268	N	SER				-20.475	41.923		32.25
MOTA	1269	CA	SER	Α	175		-19.961	42.712		28.55
ATOM	1270	CB	SER	Α	175		-20.148	41.952		36.29
MOTA	1271	OG	SER	Α	175		-19.299	40.825		30.88
MOTA	1272	С	SER	Α	175		-18.488	43.069		34.24
MOTA	1273	0	SER				-17.778	42.404		23.93
ATOM	1274	N	GLU	Α	176	16.909	-18.101	44.118		24.79
MOTA	1275	CA	GLU	Α	176		-16.777	44.717		24.84
MOTA	1276	CB	GLU	A	176	15.678	-16.730	45.704		29.85
MOTA	1277	CG	GLU	Α	176		-15.387	46.377		32.22
MOTA	1278	CD	GLU	Α	176	14.223	-15.390	47.270		34.82
ATOM	1279	OE1	GLU	A	176	14.358	-15.795	48.447		50.78
MOTA	1280	OE2	GLU	Α	176	13.135	-14.988	46.806	1.00	39.74
ATOM	1281	С	GLU	Α	176	18.166	-16.441	45.398	1.00	35.34
MOTA	1282	0	GLU	Α	176	18.519	-17.072	46.397	1.00	33.01
MOTA	1283	N	SER	Α	177	18.884	-15.477	44.837	1.00	29.77
ATOM	1284	CA	SER	Α	177	20.151	-14.997	45.367	1.00	25.28
MOTA	1285	CB	SER	Α	177	21.299	-15.094	44.377	1.00	27.96
ATOM	1286	OG	SER	Α	177	21.253	-16.278	43.606		51.47
MOTA	1287	С	SER	Α	177	20.003	-13.547	45.831	1.00	30.74
ATOM	1288	0	SER			19.856	-12.591	45.070	1.00	23.11
ATOM	1289	N	VAL			20.042	-13.454	47.153	1.00	31.26
MOTA	1290	CA	VAL				-12.168	47.825	1.00	31.69
ATOM	1291	CB	VAL				-12.317	49.218	1.00	34.41
MOTA	1292		VAL				-10.964	49.903	1.00	48.17
ATOM	1293		VAL				-13.008	49.117	1.00	26.99
ATOM	1294	C	VAL				-11.579	47.885	1.00	39.05
ATOM	1295	Ö	VAL				-12.239	48.333		45.15
ATOM	1296	N	LEU				-10.351	47.400		29.28
ATOM	1297	CA	LEU			22.713	-9.567	47.511		24.54
ATOM	1298	CB	LEU			23.278	-9.294	46.122		27.13
MOTA	1299	CG	LEU				-10.559	45.262		39.41
ATON	1222	CG	0.00	17	110	20.327	20.000			

MOTA	1300	CD1	LEU	А	179	23.571	-10.210	43.793	1.00	56.70
MOTA	1301	CD2	LEU	Α	179	24.604	-11.381	45.760	1.00	42.38
MOTA	1302	С	LEU	Α	179	22.370	-8.317	48.298	1.00	32.59
ATOM	1303	0	LEU			21.180	-8.081	48.548	1.00	37.75
ATOM	1304	N	PRO			23.330	-7.522	48.737	1.00	39.11
ATOM	1305	CA	PRO			22.960	-6.390	49.597	1.00	42.52
ATOM	1306	CB	PRO			24.299	-5.699	49.872		48.91
	1307	CG	PRO			25.323	-6.759	49.636		51.16
MOTA	1307	CD	PRO			24.778	<b>-7.</b> 596	48.511		44.82
ATOM		С	PRO			22.012	-5.425	48.910		35.13
ATOM	1309									43.71
MOTA	1310	0	PRO			21.144	-4.829	49.553		25.87
MOTA	1311	N	GLU			22.138	-5.225	47.594		
MOTA	1312	CA	GLU			21.282	-4.161	47.054		26.32
MOTA	1313	CB	GLU			22.162	-3.079	46.420		29.01
MOTA	1314	CG	GLU			22.810	-2.178	47.465		30.02
ATOM	1315	CD	GLU			24.001	-1.472	46.840		32.75
MOTA	1316	OE1	GLU			24.714	-2.135	46.060		55.04
MOTA	1317	OE2	GLU	А	181	24.190	-0.279	47.144		78.18
ATOM	1318	С	GLU	A	181	20.279	-4.658	46.035		19.68
MOTA	1319	0	GLU	Α	181	19.432	-3.890	45.579		22.96
ATOM	1320	N	TRP	Α	182	20.393	-5.937	45.683		23.62
ATOM	1321	CA	TRP	Α	182	19.378	-6.504	44.799	1.00	20.73
ATOM	1322	СВ	TRP	A	182	19.626	-6.134	43.344	1.00	22.35
ATOM	1323	CG	TRP			21.019	-6.447	42.864	1.00	21.68
ATOM	1324	CD1	TRP			21.493	-7.660	42.455	1.00	20.02
ATOM	1325	NE1	TRP			22.813	-7.552	42.089	1.00	24.79
ATOM	1326	CE2	TRP			23.214	-6.252	42.256	1.00	33.15
ATOM	1327	CD2	TRP			22.107	-5.528	42.743		28.28
ATOM	1328	CE3	TRP			22.241	-4.160	43.006		26.77
ATOM	1329	CZ3	TRP			23.476	-3.579	42.767		34.39
MOTA	1330	CH2	TRP			24.560	-4.324	42.281		31.42
ATOM	1331	CZ2	TRP			24.460	-5.664	42.018		30.61
ATOM	1332	C	TRP			19.349	-8.017	44.977		23.48
ATOM	1333	0	TRP			20.281	-8.619	45.513		24.37
	1334	N	THR			18.240	-8.569	44.517		20.84
ATOM							-10.000	44.561		22.33
ATOM	1335	CA	THR				-10.266	45.471		20.04
MOTA	1336	CB	THR			17.130	-9.789	46.776		26.68
ATOM	1337	OG1	THR				-11.751	45.577		20.82
ATOM	1338		THR							26.38
MOTA		C	THR				-10.538			
ATOM	1340	0	THR				-9.925	42.429		23.46
ATOM	1341	N	ILE				-11.655	42.819		16.60
MOTA	1342	CA	ILE				-12.248	41.505		14.97
MOTA	1343	CB	ILE				-12.402	40.716		20.49
MOTA	1344		ILE				-11.053	40.565		22.48
MOTA	1345		ILE				-11.102	39.778		24.88
ATOM	1346	CG2	ILE				-13.048	39.360		15.87
ATOM	1347	С	ILE	Α	184		-13.570	41.711		19.06
MOTA	1348	0	ILE	Α	184	17.874	-14.392	42.481	1.00	22.71
ATOM	1349	N	ARG	Α	185	16.228	-13.724	41.066		17.97
ATOM	1350	CA	ARG	Α	185	15.419	-14.931	41.157	1.00	18.52
ATOM	1351	СВ	ARG	Α	185	14.031	-14.667	41.733	1.00	15.90

ATOM	1352	CG	ARG A	185	14.102	-14.003	43.105	1.00 20.67
ATOM	1353	CD	ARG A	185	12.739	-13.580	43.574	1.00 23.49
ATOM	1354	NE	ARG A	185	12.620	-13.167	44.962	1.00 21.66
ATOM	1355	CZ	ARG A			-11.898	45.350	1.00 25.33
ATOM	1356		ARG A			-10.945	44.455	1.00 22.07
			ARG A			-11.547	46.624	1.00 27.50
ATOM	1357						39.776	1.00 22.74
MOTA	1358	С	ARG A			-15.562		
ATOM	1359	0	ARG A			-14.866	38.768	1.00 20.98
MOTA	1360	N	GLU A	186		-16.874	39.766	1.00 23.54
ATOM	1361	CA	GLU A			-17.562	38.512	1.00 27.25
ATOM	1362	CB	GLU A	186	15.910	-18.545	38.151	1.00 26.23
MOTA	1363	CG	GLU A	186	16.337	-18.573	36.696	1.00 29.12
ATOM	1364	CD	GLU A	186	17.731	-19.181	36.591	1.00 39.66
ATOM	1365	OE1	GLU A			-19.548	37.660	1.00 56.70
ATOM	1366	OE2	GLU A			-19.282	35.470	1.00 48.51
ATOM	1367	C	GLU A			-18.273	38.668	1.00 22.29
ATOM	1368	0	GLU A			-18.945	39.685	1.00 18.10
			PHE A			-18.097	37.695	1.00 18.63
ATOM	1369	N	PHE A			-18.785	37.643	1.00 16.57
ATOM	1370	CA					37.663	1.00 17.31
ATOM	1371	CB	PHE A			-17.835		1.00 17.31
MOTA	1372	CG	PHE A			-16.820	38.799	
MOTA	1373	CD1				-15.507	38.521	1.00 35.36
MOTA	1374	CE1	PHE A			-14.575	39.550	1.00 25.40
MOTA	1375	CZ	PHE A			-14.987	40.849	1.00 21.30
MOTA	1376	CE2	PHE A	187		-16.285	41.143	1.00 18.72
MOTA	1377	CD2				-17.207	40.113	1.00 25.67
ATOM	1378	С	PHE A	187		-19.663	36.381	1.00 26.48
MOTA	1379	0	PHE A	187	11.754	-19.296	35.347	1.00 22.46
ATOM	1380	N	LYS A	188	10.530	-20.777	36.559	1.00 27.77
MOTA	1381	CA	LYS A	188	10.122	-21.741	35.559	1.00 29.70
ATOM	1382	CB	LYS A	188	10.530	-23.158	35.948	1.00 39.93
MOTA	1383	CG	LYS F		9.420	-24.194	35.867	1.00 49.03
ATOM	1384	CD	LYS A	188	9.938	-25.587	36.210	1.00 53.96
MOTA	1385	CE	LYS F			-26.451	36.802	1.00 55.37
ATOM	1386	NZ	LYS A			-27.803	36.178	1.00 45.26
MOTA	1387	C	LYS F			-21.640	35.400	1.00 23.00
ATOM	1388	Ö	LYS A			-21.828	36.378	1.00 26.46
ATOM	1389	N	ILE F			-21.324	34.203	1.00 23.28
	1390	CA	ILE A			-21.106	33.898	1.00 25.13
ATOM						-19.717	33.278	1.00 37.23
MOTA	1391	CB	ILE A				34.159	1.00 37.23
ATOM	1392		ILE A			-18.538		1.00 42.70
MOTA	1393		ILE P			-17.286	33.840	
MOTA	1394		ILE A			-19.569	32.866	1.00 42.16
MOTA	1395	С	ILE A			-22.144	32.895	1.00 28.65
ATOM	1396	0	ILE A			-22.279	31.869	1.00 28.97
MOTA	1397	N	CYS F			-22.799	33.219	1.00 28.96
MOTA	1398	CA	CYS F			-23.828	32.396	1.00 35.44
MOTA	1399	CB	CYS F			-25.127	33.185	1.00 38.00
MOTA	1400	SG	CYS A	190		-25.627	34.128	1.00 68.71
ATOM	1401	С	CYS A	190		-23.331	31.836	1.00 40.13
ATOM	1402	0	CYS A	190	2.263	-22.985	32.586	1.00 32.30
ATOM	1403	N	GLY A			-23.308	30.510	1.00 37.25

MOTA	1404	CA	GLY A	191		-22.800	29.737	1.00 41.56
MOTA	1405	С	GLY A	191	1.357	-23.872	28.890	1.00 48.56
MOTA	1406	0	GLY A	191	1.577	-25.066	29.095	1.00 45.07
ATOM	1407	N	GLU A		0.549	-23.428	27.936	1.00 54.18
MOTA	1408	CA	GLU A			-24.305	27.048	1.00 69.22
ATOM	1409	CB	GLU A			-23.566	26.522	1.00 74.04
	1410	CG	GLU A			-24.220	26.866	1.00 80.18
ATOM			GLU A			-23.505	27.916	1.00 81.21
MOTA	1411	CD OF1				-23.303	29.033	1.00 64.52
ATOM	1412	OE1					27.649	1.00 04.32
ATOM	1413	OE2				-22.396		
MOTA	1414	С	GLU A			-24.817	25.901	1.00 77.66
ATOM	1415	0	GLU A			-25.106	24.821	1.00 91.62
ATOM	1416	N	GLU A			-24.929	26.155	1.00 83.58
MOTA	1417	CA	GLU A			-25.361	25.250	1.00 93.54
MOTA	1418	CB	GLU A	193		-26.877	25.035	1.00 96.89
MOTA	1419	CG	GLU A		4.249	-27.604	25.348	1.00 98.33
MOTA	1420	CD	GLU A	193		-28.893	24.572	1.00 96.49
ATOM	1421	OE1	GLU A	193	3.518	-29.278	23.811	1.00 93.16
ATOM	1422	OE2	GLU A	193	5.494	-29.536	24.722	1.00 88.57
ATOM	1423	С	GLU A	193	2.918	-24.636	23.910	1.00 99.98
ATOM	1424	0	GLU A	193	2.701	-25.271	22.877	1.00108.24
ATOM	1425	N	GLN A		3.077	-23.317	23.931	1.00102.55
ATOM	1426	CA	GLN A			-22.499	22.728	1.00105.80
ATOM	1427	СВ	GLN A			-21.129	23.088	1.00108.21
ATOM	1428	CG	GLN A			-21.133	23.330	1.00106.39
ATOM	1429	CD	GLN A			-21.310	24.793	1.00103.56
ATOM	1430	OE1				-21.724	25.602	1.00 98.95
ATOM	1431	NE2				-20.994	25.143	1.00 99.79
ATOM	1432	C	GLN A			-22.341	21.999	1.00105.62
	1433	0	GLN A			-23.324	21.847	1.00116.12
MOTA	1433		LEU A			-21.125	21.553	1.00101.17
MOTA		N Ca	LEU A			-20.881	20.883	1.00 95.89
ATOM	1435	CA				-19.411	20.507	1.00 93.03
ATOM	1436	CB	LEU A				19.016	1.00 36.27
MOTA	1437	CG	LEU A			-19.063		1.00 76.33
ATOM	1438		LEU A			-17.648	18.786	
ATOM	1439	CD2	LEU A			-20.068	18.254	1.00 62.06
MOTA	1440	С	LEU A			-21.372	21.776	1.00 95.74
MOTA	1441	0	LEU A			-21.890	21.287	1.00104.53
MOTA	1442	N	ASP A			-21.227	23.085	1.00 93.29
MOTA	1443	CA	ASP A			-21.771		1.00 89.45
MOTA	1444	CB	ASP A			-20.660	24.857	1.00 83.52
MOTA	1445	CG	ASP A	. 196	7.556	-19.912	25.817	1.00 71.43
MOTA	1446	OD1	ASP A	. 196	6.442	-19.474	25.450	1.00 46.66
ATOM	1447	OD2	ASP A	. 196	7.964	-19.724	26.984	1.00 45.20
ATOM	1448	С	ASP A	196	7.029	-22.731	25.002	1.00 89.72
ATOM	1449	0	ASP A	196	5.897	-22.456	25.409	1.00 82.68
ATOM	1450	N	ALA A		7.657	-23.857	25.335	1.00 93.55
ATOM	1451	CA	ALA A		7.020	-24.842	26.208	1.00 94.35
ATOM	1452	СВ	ALA A			-26.255	25.691	1.00 80.84
ATOM	1453	C	ALA A			-24.718	27.644	1.00 94.80
ATOM	1454	Ó	ALA A			-24.641	28.574	1.00 92.09
ATOM	1455	N	HIS A			-24.700	27.838	1.00 92.53

MOTA	1456	CA	HIS A	198	9.370 -24.519	29.182	1.00 88.28
MOTA	1457	CB	HIS A		10.131 -25.748	29.703	1.00 89.87
ATOM	1458	CG	HIS A		10.859 -25.377	30.967	1.00 91.21
ATOM	1459		HIS A		10.190 -24.902	32.073	1.00 94.03
MOTA	1460	CE1			11.057 -24.649	33.038	1.00 94.08
ATOM	1461		HIS A		12.268 -24.939	32.593	1.00 94.64
MOTA	1462	CD2			12.167 -25.392	31.299	1.00 92.48
ATOM	1463	С	HIS A		10.316 -23.322	29.267	1.00 77.76
MOTA	1464	0	HIS A		11.500 -23.417	28.954	1.00 88.55
ATOM	1465	N	ARG A		9.769 -22.197	29.709	1.00 65.70
ATOM	1466	CA	ARG A	. 199	10.523 -20.957	29.782	1.00 47.47
MOTA	1467	CB	ARG A		9.612 -19.780	29.400	1.00 44.67
ATOM	1468	CG	ARG A	. 199	10.165 -18.453	29.889	1.00 53.42
ATOM	1469	CD	ARG A	. 199	9.994 -17.331	28.879	1.00 46.83
MOTA	1470	NE	ARG A	199	8.914 -17.624	27.941	1.00 46.19
MOTA	1471	CZ	ARG A		7.852 -16.844	27.777	1.00 51.98
ATOM	1472		ARG A		7.744 -15.728	28.495	1.00 21.30
MOTA	1473	NH2	ARG A	199	6.920 -17.196	26.901	1.00 32.81
MOTA	1474	С	ARG A	199	11.133 -20.718	31.161	1.00 32.26
ATOM	1475	0	ARG A	199	10.541 -21.045	32.190	1.00 25.30
ATOM	1476	N	LEU A	200	12.327 -20.133	31.142	1.00 25.66
ATOM	1477	CA	LEU A	200	13.010 -19.678	32.340	1.00 25.37
MOTA	1478	CB	LEU A	200	14.414 -20.256	32.468	1.00 37.98
MOTA	1479	CG	LEU A		14.511 -21.782	32.585	1.00 50.45
MOTA	1480	CD1	LEU A	200	15.956 -22.239	32.447	1.00 66.02
MOTA	1481	CD2	LEU A	200	13.911 -22.270	33.899	1.00 46.72
ATOM	1482	С	LEU A	200	13.058 -18.146	32.323	1.00 26.91
ATOM	1483	0	LEU A		13.521 -17.544	31.358	1.00 22.85
MOTA	1484	N	ILE A	201	12.549 -17.552	33.391	1.00 23.54
MOTA	1485	CA	ILE A		12.463 -16.102	33.528	1.00 16.69
MOTA	1486	CB	ILE A		11.023 -15.688	33.897	1.00 18.39
MOTA	1487	CG1	ILE A		9.983 -16.468	33.096	1.00 32.11
ATOM	1488	CD1	ILE A		9.613 -15.818	31.788	1.00 38.11
MOTA	1489	CG2	ILE A		10.814 -14.183	33.790	1.00 26.56
ATOM	1490	С	ILE A		13.394 -15.625	34.626	1.00 17.67
MOTA	1491	0	ILE A		13.380 -16.158	35.732	1.00 23.89
ATOM	1492	N	ARG A		14.218 -14.617	34.353	1.00 16.91
ATOM	1493	CA	ARG A		15.020 -14.076	35.443	1.00 13.64
ATOM	1494	CB	ARG A		16.465 -13.807	35.065	1.00 20.15
ATOM	1495	CG	ARG A		17.322 -15.053	34.928	1.00 33.93
MOTA	1496	CD	ARG A		18.698 -14.896	35.558	1.00 44.89
ATOM	1497	NE	ARG A		19.494 -16.112	35.342	1.00 57.70
ATOM	1498	CZ	ARG A		19.879 -16.510	34.134	1.00 61.66
ATOM	1499		ARG A		19.549 -15.798	33.063	1.00 39.90
ATOM	1500		ARG A		20.596 -17.615	33.984	1.00 69.32
ATOM	1501	С	ARG A		14.351 -12.781	35.905	1.00 20.61
MOTA	1502	0	ARG A		13.802 -12.033	35.094	1.00 14.26
ATOM	1503	N	HIS A		14.431 -12.604	37.207	1.00 18.91
ATOM	1504	CA	HIS A		13.836 -11.436	37.870	1.00 18.64
ATOM	1505	CB	HIS A		12.711 -11.896	38.765	1.00 13.88
MOTA	1506	CG	HIS A		11.813 -10.917	39.426	1.00 22.44
ATOM	1507	ND1	HIS A	203	12.104 -10.321	40.633	1.00 23.99

MOTA	1508	CE1	HIS	Α	203	11.127	-9.510	40.981	1.00 23.53
MOTA	1509	NE2	HIS	Α	203	10.189	-9.558	40.046	1.00 17.09
ATOM	1510		HIS			10.604	-10.429	39.065	1.00 18.86
ATOM	1511	C			203	14.961	-10.731	38.626	1.00 17.56
MOTA	1512	0			203		-11.341	39.451	1.00 18.34
								38.314	1.00 15.90
ATOM	1513	N			204	15.146	-9.457		
ATOM	1514	CA			204	16.181	-8.621	38.906	1.00 15.46
MOTA	1515	CB			204	17.037	-7.984	37.819	1.00 15.83
MOTA	1516	CG			204	17.538	-8.995	36.783	1.00 15.57
ATOM	1517	CD1	PHE	Α	204	16.751	-9.377	35.717	1.00 12.76
MOTA	1518	CE1	PHE	Α	204	17.208	-10.292	34.785	1.00 23.10
ATOM	1519	CZ	PHE	Α	204	18.474	-10.839	34.923	1.00 22.35
ATOM	1520	CE2			204	19.277	-10.461	35.989	1.00 21.53
ATOM	1521	CD2				18.807	-9.538	36.904	1.00 20.18
ATOM	1522	C			204	15.527	-7.556	39.785	1.00 20.25
	1523	0			204	14.885	-6.620	39.312	1.00 20.23
ATOM							-7.713	41.097	1.00 17.21
ATOM	1524	N			205	15.672			
ATOM	1525	CA			205	14.949	-6.855	42.035	1.00 14.35
ATOM	1526	CB			205	14.203	-7.745	43.021	1.00 20.27
ATOM	1527	CG			205	13.221	-7.056	43.900	1.00 17.93
MOTA	1528	ND1	${\tt HIS}$	Α	205	12.549	<del>-</del> 7.729	44.905	1.00 19.18
ATOM	1529	CE1	HIS	Α	205	11.738	-6.874	45.516	1.00 22.04
ATOM	1530	NE2	HIS	Α	205	11.866	-5.681	44.947	1.00 17.85
ATOM	1531	CD2	HIS	Α	205	12.788	-5.771	43.928	1.00 12.88
ATOM	1532	С	HIS	Α	205	15.896	-5.931	42.782	1.00 17.06
ATOM	1533	0			205	16.635	-6.400	43.658	1.00 21.06
ATOM	1534	N			206	15.883	-4.660	42.429	1.00 13.61
ATOM	1535	CA			206	16.715	-3.648	43.082	1.00 11.14
ATOM	1536	СВ			206	17.008	-2.490	42.141	1.00 12.43
ATOM	1537	CG			206	18.011	-1.486	42.668	1.00 17.70
MOTA	1538	CD1	TYR			19.376	-1.745	42.568	1.00 14.03
ATOM	1539	CE1	TYR			20.334	-0.866	43.027	1.00 20.29
	1540	CZ			206	19.892	0.318	43.602	1.00 22.75
ATOM							1.200	44.070	1.00 25.15
ATOM	1541	OH			206	20.839			
ATOM	1542	CE2				18.553	0.609	43.718	1.00 19.11
ATOM	1543		TYR			17.596	-0.287	43.249	1.00 18.90
MOTA	1544	С			206	15.953	-3.189	44.315	1.00 15.80
ATOM	1545	0			206	14.828	-2.701	44.188	1.00 19.33
MOTA	1546	N	THR			16.503	-3.371	45.520	1.00 16.37
MOTA	1547	CA	THR	Α	207	15.652	-3.191	46.691	1.00 18.59
MOTA	1548	CB	THR	Α	207	15.789	-4.385	47.669	1.00 18.47
ATOM	1549	OG1	THR	Α	207	17.175	-4.639	47.895	1.00 23.23
MOTA	1550	CG2	THR	Α	207	15.217	-5.655	47.056	1.00 23.19
ATOM	1551	С	THR			15.955	-1.923	47.481	1.00 23.83
ATOM	1552	0	THR			15.371	-1.745	48.556	1.00 24.21
ATOM	1553	N	VAL			16.848	-1.060	47.004	1.00 22.88
ATOM	1554	CA	VAL			17.156	0.123	47.814	1.00 23.02
	1555	CB	VAL			18.604	0.123	48.325	1.00 23.02
ATOM						18.747	-1.128	49.276	1.00 22.02
ATOM	1556		VAL						
ATOM	1557		VAL			19.599	-0.045	47.185	1.00 23.30
ATOM	1558	C	VAL			16.951	1.425	47.059	1.00 16.29
MOTA	1559	0	VAL	А	∠∪8	17.782	2.331	47.160	1.00 26.60

ATOM	1560	N	TRP	Α	209	15.861	1.525	46.321	1.00 14.67
ATOM	1561	CA	TRP	Α	209	15.522	2.734	45.570	1.00 21.23
ATOM	1562	CB	TRP	Α	209	15.364	2.460	44.075	1.00 23.37
MOTA	1563	CG	TRP	Α	209	15.364	3.656	43.171	1.00 17.61
ATOM	1564	CD1	TRP	Α	209	15.121	4.978	43.419	1.00 16.97
ATOM	1565	NE1			209	15.236	5.726	42.271	1.00 24.39
ATOM	1566	CE2			209	15.560	4.876	41.238	1.00 22.16
ATOM	1567	CD2			209	15.649	3.568	41.766	1.00 16.31
ATOM	1568	CE3			209	15.969	2.508	40.918	1.00 20.86
ATOM	1569	CZ3			209	16.190	2.771	39.578	1.00 24.91
ATOM	1570	CH2			209	16.095	4.077	39.075	1.00 24.31
ATOM	1571	CZ2			209	15.785	5.131	39.888	1.00 20.43
ATOM	1572	C			209	14.212	3.314	46.101	1.00 19.42
ATOM	1573	0			209		2.827		1.00 25.49
						13.164		45.672	
MOTA	1574	N			210	14.299	4.324	46.963	1.00 23.84
ATOM	1575	CA			210	13.107	4.901	47.582	1.00 18.86
ATOM	1576	CB			210	13.655	5.980	48.508	1.00 26.38
ATOM	1577	CG			210	15.115	5.736	48.620	1.00 29.41
ATOM	1578	CD			210	15.540	4.996	47.383	1.00 23.17
ATOM	1579	C			210	12.199	5.553	46.536	1.00 24.85
MOTA	1580	0			210	12.696	6.304	45.689	1.00 25.87
ATOM	1581	N	ASP			10.901	5.271	46.601	1.00 19.16
MOTA	1582	CA	ASP			9.942	5.886	45.698	1.00 23.36
ATOM	1583	CB	ASP			8.499	5.590	46.126	1.00 25.37
MOTA	1584	CG	ASP			7.576	5.865	44.943	1.00 24.78
MOTA	1585	OD1	ASP	Α	211	6.379	5.571	45.094	1.00 26.65
MOTA	1586	OD2	ASP			8.078	6.348	43.899	1.00 23.48
MOTA	1587	С	ASP	Α	211	10.124	7.395	45.610	1.00 29.53
ATOM	1588	0	ASP	Α	211	10.525	8.061	46.573	1.00 32.57
ATOM	1589	N	HIS	А	212	9.888	7.977	44.442	1.00 28.91
MOTA	1590	CA	HIS	Α	212	10.051	9.398	44.175	1.00 28.03
ATOM	1591	CB	HIS	Α	212	9.080	10.227	45.032	1.00 21.33
ATOM	1592	CG	HIS	Α	212	7.681	9.700	44.958	1.00 26.06
ATOM	1593	ND1	HIS	Α	212	6.939	9.760	43.801	1.00 23.57
ATOM	1594	CE1	HIS	Α	212	5.754	9.219	44.023	1.00 25.96
ATOM	1595	NE2	HIS	Α	212	5.703	8.814	45.279	1.00 26.25
ATOM	1596	CD2	HIS	Α	212	6.902	9.100	45.884	1.00 27.02
ATOM	1597	С	HIS	Α	212	11.460	9.932	44.425	1.00 34.91
ATOM	1598	0	HIS	Α	212	11.653	11.152	44.346	1.00 42.93
ATOM	1599	N	GLY	A	213	12.418	9.071	44.709	1.00 25.41
ATOM	1600	CA	GLY	Α	213	13.772	9.392	45.079	1.00 25.24
ATOM	1601	С	GLY			14.771	8.747	44.143	1.00 27.01
ATOM	1602	0	GLY			14.471	8.336	43.027	1.00 22.02
ATOM	1603	N	VAL			16.012	8.697	44.602	1.00 26.65
ATOM	1604	CA	VAL			17.102	8.144	43.810	1.00 31.35
ATOM	1605	СВ	VAL			17.945	9.250	43.163	1.00 35.53
ATOM	1606		VAL			17.091	10.182	42.307	1.00 27.84
ATOM	1607		VAL			18.668	10.055	44.234	1.00 40.38
ATOM	1608	C	VAL			17.953	7.295	44.742	1.00 28.56
ATOM	1609	0	VAL			17.887	7.492	45.959	1.00 28.51
ATOM	1610	N	PRO			18.720	6.349	44.228	1.00 28.51
ATOM	1611	CA	PRO .			19.542	5.511	45.116	1.00 23.37
		<b>V11</b>	10	. 1	-10	17.542	0.011	10.110	1.00 27.43

ATOM	1612	CB	PRO	A	215	20.192	4.526	44.146	1.00	29.52
ATOM	1613	CG	PRO	A	215	19.235	4.515	42.984	1.00	28.93
MOTA	1614	CD	PRO	Α	215	18.865	5.974	42.820	1.00	23.13
MOTA	1615	С			215	20.601	6.338	45.842	1.00	35.63
ATOM	1616	0			215	20.990	7.415	45.396	1.00	30.87
ATOM	1617	N			216	21.073	5.828	46.972	1.00	35.49
ATOM	1618	CA			216	22.063	6.538	47.780	1.00	35.03
ATOM	1619	СВ			216	22.254	5.768	49.090	1.00	
ATOM	1620	CG			216	23.661	5.715	49.649		52.93
ATOM	1621	CD			216	23.844	4.606	50.672	1.00	
ATOM	1622	OE1			216	24.879	3.902	50.618		59.31
ATOM	1623	OE2			216	22.952	4.437	51.532		69.52
ATOM	1624	C			216	23.368	6.751	47.032		33.10
ATOM	1625	0			216	24.121	7.675	47.370	1.00	
ATOM	1626	N			217	23.711	5.964	46.014		32.88
ATOM ATOM	1627	CA			217	24.924	6.230	45.242		34.43
ATOM	1628 1629	CB OG1			217 217	26.135 25.910	5.360	45.635		41.56
ATOM	1630	CG2			217	26.341	4.010 5.329	45.183	1.00	
ATOM	1631	C			217	24.711	5.979	47.138 43.748		44.45
ATOM	1632	0			217	23.787	5.258	43.746		25.88
ATOM	1633	N			218	25.578	6.530	42.901		26.73
ATOM	1634	CA			218	25.494	6.239	41.469	1.00	30.02
ATOM	1635	СВ			218	26.251	7.270	40.615		29.46
ATOM	1636	OG1			218	27.594	7.382	41.105		27.79
ATOM	1637	CG2	THR			25.616	8.644	40.740		30.31
ATOM	1638	С			218	26.045	4.846	41.171		27.66
ATOM	1639	0	THR			25.499	4.105	40.348		23.92
ATOM	1640	N	GLN	Α	219	27.123	4.478	41.848		26.54
ATOM	1641	CA	GLN	Α	219	27.764	3.182	41.661		25.35
ATOM	1642	CB	GLN	Α	219	28.845	2.982	42.729	1.00	35.12
ATOM	1643	CG	GLN	A	219	30.230	3.445	42.313	1.00	50.76
ATOM	1644	CD	GLN	Α	219	31.311	2.472	42.754	1.00	70.22
MOTA	1645	OE1	GLN			31.350	1.331	42.286	1.00	92.23
MOTA	1646	NE2	GLN			32.187	2.921	43.650	1.00	63.32
ATOM	1647	С	GLN			26.783	2.013	41.730	1.00	26.20
ATOM	1648	0	GLN			26.802	1.112	40.897		29.61
ATOM	1649	N	SER			25.929	2.027	42.746		26.43
ATOM	1650	CA	SER			24.978	0.956	42.997		31.59
ATOM	1651	CB	SER			24.116	1.337	44.205		38.90
ATOM	1652	OG	SER			23.043	0.429	44.379		33.12
ATOM	1653	C	SER			24.097	0.682	41.788		31.15
ATOM	1654	O N	SER			23.995	-0.428	41.264		22.82
ATOM	1655	N C7	LEU			23.421	1.736	41.316		26.37
ATOM ATOM	1656 1657	CA CB	LEU LEU			22.527	1.511	40.181		22.50
ATOM	1658	CG	LEU			21.564	2.696	40.002		25.48
ATOM	1659		LEU			20.346 19.596	2.374 1.169	39.125		27.75
ATOM	1660		LEU			19.396	3.572	39.683 39.007		24.04 26.75
ATOM	1661	C	LEU			23.311	1.255	38.907		16.37
ATOM	1662	0	LEU			22.870	0.452	38.078		25.76
ATOM	1663	N	ILE			24.462	1.917	38.728		17.23
	_ 0 0 0					-1.102	1.71	30.720	1.00	11.23

ATOM	1664	CA	ILE	Α	222		25.2	30	1.662	37.507	1.00	21.02
MOTA	1665	CB	ILE	Α	222		26.5		2.506	37.436	1.00	23.08
ATOM	1666	CG1	LILE	A	222		26.2		3.966	37.060		23.12
ATOM	1667	CD1			222		27.2	89	4.943	37.546		25.12
MOTA	1668	CG2			222		27.4	98	1.864	36.473	1.00	26.15
ATOM	1669	С			222		25.5		0.179	37.422	1.00	
ATOM	1670	0			222		25.4		-0.473	36.385		18.34
ATOM	1671	N			223		26.0		-0.362	38.558		24.24
ATOM	1672	CA			223		26.4		-1.763	38.598	1.00	23.96
ATOM	1673	CB			223		27.0		-2.162	39.919	1.00	
ATOM	1674	CG			223		28.3		-1.426	40.293		37.08
ATOM	1675	CD			223		29.1		-0.836	39.150		56.97
ATOM	1676	OE1			223		29.3		-1.473	38.116		84.38
ATOM	1677		GLN				29.5		0.404	39.315		54.63
ATOM	1678	C			223		25.1		-2.627	38.391		24.09
ATOM	1679	0			223		25.20		-3.654	37.737	1.00	
MOTA	1680	N			224		24.0		-2.212	38.943		20.92
ATOM	1681	CA			224		22.83		-3.055	38.717		22.52
ATOM	1682	CB			224		21.65		-2.527	39.529		21.20
ATOM ATOM	1683 1684	CG CD1			224		20.33		-3.222	39.302		23.79
ATOM	1685	CE1					18.88		-4.505	39.792		21.63
ATOM	1686	CZ			224		17.86		-5.123 -4.481	39.606 38.919		15.71
ATOM	1687	CE2					18.07		-3.204	38.415	1.00	16.76 13.56
ATOM	1688	CD2					19.30		-2.589	38.609	1.00	
ATOM	1689	C	PHE				22.47		-3.104	37.240		26.00
ATOM	1690	Ö	PHE				22.26		-4.142	36.617		17.57
ATOM	1691	N	VAL				22.40		-1.916	36.636	1.00	17.86
MOTA	1692	CA	VAL				22.09		-1.855	35.214		14.81
ATOM	1693	СВ	VAL				22.10		-0.383	34.764	1.00	15.04
ATOM	1694	CG1	VAL	A	225		22.09		-0.273	33.250		17.94
MOTA	1695	CG2	VAL	A	225		20.90	3	0.328	35.391		19.94
MOTA	1696	С	VAL	Α	225		23.06	8	-2.668	34.378	1.00	17.19
MOTA	1697	0	VAL	Α	225		22.67	4	-3.427	33.481	1.00	19.92
ATOM	1698	N	ARG	Α	226		24.37	1	-2.550	34.632	1.00	18.63
ATOM	1699	CA	ARG				25.29		-3.342	33.809	1.00	24.02
ATOM	1700	CB	ARG				26.73		-2.935	34.122	1.00	26.46
ATOM	1701	CG	ARG				27.10		-1.562	33.582	1.00	23.91
ATOM	1702	CD	ARG				28.56		-1.275	33.905		30.68
ATOM	1703	NE	ARG				28.97		0.040	33.425		37.38
ATOM	1704	CZ	ARG				29.84		0.828	34.046		45.40
ATOM	1705		ARG				30.41		0.454	35.185		41.82
ATOM	1706		ARG				30.15		2.009	33.522		45.68
ATOM	1707	C	ARG				25.09		-4.836	34.022		22.36
ATOM	1708	0	ARG				25.22		-5.649	33.106		24.97
ATOM	1709	N C7	THR				24.76		-5.258	35.243		21.54
ATOM ATOM	1710 1711	CA	THR				24.42		-6.660	35.455		21.82
ATOM	1711	CB OG1	THR THR				24.20 25.35		-6.945	36.957		29.96
ATOM	1713	CG2	THR				23.33 24.08		-6.463 -8.437	37.648 37.182		28.79 29.12
ATOM	1714	C	THR				24.08 23.18		-7.107	34.713		19.03
ATOM	1715	Ö	THR				23.18		-8.158	34.713		
		-				•		_	J . 1 J U	J 1 . U / I	1.00	-0.23

ATOM	1716	N	VAL	Α	228	22.	097	-6.336	34.778	1.00	17.49
ATOM	1717	CA	VAL	Α	228		926	-6.679	33.967	1.00	17.38
ATOM	1718	CB			228		784	-5.686	34.259	1.00	
ATOM	1719	CG1			228		550	<b>-</b> 5.978	33.411	1.00	
MOTA	1720	CG2			228		437	-5.770	35.741	1.00	
ATOM	1721	С			228		238	-6.711	32.477	1.00	
ATOM	1722	0			228		849	-7.647	31.766	1.00	
ATOM	1723	N			229		943	-5.703	31.972	1.00	
ATOM	1724	CA			229		204	-5.651	30.527	1.00	
ATOM	1725	CB			229		833	-4.291	30.221		17.71
ATOM	1726	CG			229		465	-4.129	28.873		18.28
ATOM	1727	CD			229		589	-3.886	27.687		26.78
ATOM	1728	NE			229		245	-3.355	27.849		
ATOM	1729 1730	CZ NH1			229 229		263	-3.671	27.008	1.00	
ATOM ATOM	1731	NH2					514	-4.494	25.992		28.43 22.64
ATOM	1731	C			229		031 052	-3.197 -6.833	27.144 30.076		26.78
ATOM	1733	0			229		914	-7.389	28.974		22.93
ATOM	1734	N			230		970	-7.282	30.931		22.22
ATOM	1735	CA			230		761	-8.474	30.615	1.00	19.37
ATOM	1736	CB	ASP				720	-8.746	31.770		26.22
ATOM	1737	CG	ASP				764	-9.808	31.496	1.00	
ATOM	1738		ASP				772	-9.830	32.234		43.30
ATOM	1739		ASP					-10.609	30.558		48.34
ATOM	1740	С	ASP				856	-9.667	30.369		24.85
ATOM	1741	0	ASP					-10.389	29.383		27.24
MOTA	1742	N	TYR	Α	231	22.	897	-9.868	31.276		24.39
ATOM	1743	CA	TYR	Α	231	21.	924	-10.943	31.156		17.89
MOTA	1744	CB	TYR	Α	231	21.	011	-10.999	32.384	1.00	18.72
ATOM	1745	CG	TYR	Α	231	21.	604	-11.752	33.540	1.00	21.03
MOTA	1746	CD1	TYR	Α	231	22.	218	-11.040	34.559	1.00	27.60
MOTA	1747	CE1	TYR	Α	231	22.	770	-11.713	35.627	1.00	32.43
ATOM	1748	CZ	TYR					-13.085	35.692	1.00	25.45
MOTA	1749	ОН	TYR					-13.694	36.789		36.71
ATOM	1750	CE2	TYR					-13.815	34.698		23.54
ATOM	1751	CD2	TYR					-13.136	33.622		30.94
ATOM	1752	C	TYR					-10.771	29.954		21.66
ATOM	1753	0	TYR					-11.726	29.269		23.21
ATOM	1754	N	ILE			20.		-9.527	29.718	1.00	16.63
ATOM	1755	CA	ILE			19.		-9.280	28.517		19.85
ATOM	1756	CB	ILE			19.		-7.808	28.395		18.50
ATOM	1757		ILE			18.		-7.370	29.499		22.29
ATOM ATOM	1758 1759		ILE ILE			18.		-5.901	29.616		17.14
ATOM	1760		ILE			18.		-7.570	26.999		22.60
ATOM	1761	C 0	ILE			20.	066	-9.652	27.262 26.358		21.88
ATOM	1762	N	ASN			21.		-10.308 -9.242	27.197		24.41 23.34
ATOM	1763	CA	ASN			22.		-9.555	25.975		30.61
ATOM	1764	CB	ASN			23.		-8.883	25.996		27.03
ATOM	1765	CG	ASN			23.		-7.379	25.800		29.17
ATOM	1766		ASN			22.		-6.849	25.248		36.95
ATOM	1767		ASN			24.		-6.648	26.251		36.00
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ATOM	1768	С	ASN	Α	233		-11.062	25.808	1.00 31.90	
ATOM	1769	0	ASN	А	233	22.823	-11.595	24.711	1.00 37.58	
ATOM	1770	N	ARG	Α	234	22.659	-11.778	26.927	1.00 29.26	ō
ATOM	1771	CA	ARG	Α	234	22.766	-13.225	26.874	1.00 31.78	3
MOTA	1772	СВ	ARG	Α	234	23.465	-13.746	28.129	1.00 38.80	)
ATOM	1773	CG	ARG			24.878	-13.216	28.320	1.00 43.23	3
ATOM	1774	CD	ARG				-13.632	29.692	1.00 51.48	3
ATOM	1775	NE	ARG				-13.511	29.800	1.00 58.62	2
ATOM	1776	CZ	ARG				-14.516	30.055	1.00 57.56	
ATOM	1777	NH1	ARG				-15.746	30.232	1.00 60.00	
	1778		ARG				-14.277	30.128	1.00 30.80	
ATOM	1779	C	ARG				-13.890	26.747	1.00 34.88	
MOTA	1780	0	ARG				-15.085	27.031	1.00 32.66	
ATOM							-13.186	26.337	1.00 24.05	
ATOM	1781	N	SER					26.273	1.00 27.03	
ATOM	1782	CA	SER				-13.884		1.00 27.03	
ATOM	1783	CB	SER				-13.249	27.156		
MOTA	1784	OG	SER				-13.237	28.520	1.00 34.69	
ATOM	1785	C	SER				-13.933	24.827	1.00 31.92	
MOTA	1786	0	SER				-13.103	24.425	1.00 28.81	
ATOM	1787	N	PRO				-14.914	24.105	1.00 37.48	
MOTA	1788	CA	PRO				-15.087	22.693	1.00 39.12	
MOTA	1789	CB	PRO				-16.312	22.269	1.00 46.32	
MOTA	1790	CG	PRO	-			-17.038	23.546	1.00 44.02	
MOTA	1791	CD	PRO	А	236	20.033	-15.957	24.580	1.00 42.48	
ATOM	1792	С	PRO	Α	236	17.279	<b>-</b> 15.378	22.517	1.00 34.00	
MOTA	1793	0	PRO	Α	236	16.696	-16.221	23.207	1.00 43.89	)
MOTA	1794	N	GLY	Α	237	16.668	-14.660	21.577	1.00 27.25	ō
MOTA	1795	CA	GLY	Α	237	15.280	-14.912	21.249	1.00 25.75	5
ATOM	1796	С	GLY	Α	237	14.296	-14.183	22.132	1.00 21.94	1
ATOM	1797	0	GLY	Α	237	13.109	-14.257	21.848	1.00 21.04	1
ATOM	1798	N	ALA	Α	238	14.739	-13.494	23.181	1.00 22.86	ŝ
ATOM	1799	CA	ALA	Α	238	13.836	-12.838	24.112	1.00 20.89	9
MOTA	1800	CB	ALA	Α	238	14.669	-12.130	25.194	1.00 22.60	)
ATOM	1801	С	ALA			12.923	-11.807	23.470	1.00 20.68	3
ATOM	1802	0	ALA			13.361	-11.132	22.539	1.00 27.83	3
ATOM	1803	N	GLY				-11.670	23.986	1.00 18.60	)
ATOM	1804	CA	GLY				-10.549	23.700	1.00 18.19	3
ATOM	1805	C	GLY			11.346	-9.351	24.497	1.00 15.46	5
ATOM	1806	0	GLY			12.521	-9.353	24.887	1.00 18.43	
MOTA	1807	N	PRO	_		10.484		24.743	1.00 17.13	
ATOM	1808	CA	PRO			10.889	-7.184	25.496	1.00 15.73	
ATOM	1809	CB	PRO			9.626	-6.323	25.550	1.00 18.54	
	1810	CG	PRO			8.740	-6.868	24.479	1.00 25.69	
ATOM						9.073	-8.329	24.350	1.00 13.87	
ATOM	1811	CD	PRO				-7.518	26.923	1.00 13.07	
ATOM	1812	С	PRO			11.306	-8.502	27.508	1.00 14.73	
ATOM	1813	0	PRO			10.867			1.00 14.32	
ATOM	1814	N	THR			12.179	-6.683	27.461		
ATOM	1815	CA	THR			12.533	-6.674	28.869	1.00 14.60	
ATOM	1816	CB	THR			13.890	-5.989	29.061	1.00 14.17	
ATOM	1817	OG1	THR			14.893	-6.769	28.389	1.00 18.17	
ATOM	1818	CG2				14.291	-5.941	30.536	1.00 17.28	
MOTA	1819	С	THR	A	241	11.441	-5.931	29.639	1.00 16.58	5

		_		_	0.41	11 104	4 704	20 205	1 00	13.03
ATOM	1820	0	THR			11.124	-4.784	29.305		
ATOM	1821	N	VAL			10.856	-6.571	30.646		12.88
ATOM	1822	CA	VAL			9.842	-5.913	31.464	1.00	_
ATOM	1823	CB	VAL			8.866	-6.900	32.116		14.04
MOTA	1824	CG1	VAL			8.019	-6.223	33.179		16.00
ATOM	1825	CG2	VAL	Α	242	7.942	-7.536	31.081		15.42
ATOM	1826	С	VAL	Α	242	10.564	-5.128	32.554		12.01
ATOM	1827	0	VAL	Α	242	11.501	-5.623	33.171		15.03
ATOM	1828	N	VAL	Α	243	10.107	-3.893	32.785		11.17
ATOM	1829	CA	VAL	Α	243	10.668	-3.065	33.838	1.00	9.13
ATOM	1830	CB	VAL	Α	243	11.575	-1.931	33.352	1.00	15.38
MOTA	1831	CG1	VAL	Α	243	12.196	-1.213	34.555	1.00	10.88
ATOM	1832	CG2	VAL	Α	243	12.666	-2.463	32.442	1.00	12.02
ATOM	1833	С	VAL	Α	243	9.482	-2.452	34.574	1.00	12.00
ATOM	1834	0	VAL			8.576	-1.930	33.932	1.00	9.88
ATOM	1835	N	HIS			9.484	-2.539	35.899	1.00	11.09
ATOM	1836	CA	HIS			8.412	-1.896	36.618	1.00	8.29
ATOM	1837	CB	HIS			7.205	-2.846	36.762	1.00	7.72
ATOM	1838	CG	HIS			7.327	-3.897	37.824	1.00	15.86
ATOM	1839		HIS			7.058	-3.666	39.160	1.00	14.99
ATOM	1840	CE1				7.236	-4.775	39.871		13.71
ATOM	1841		HIS			7.617	-5.753	39.039		16.24
ATOM	1842		HIS			7.666	-5.215	37.766		15.19
MOTA	1843	C	HIS			8.890	-1.434	37.999		11.45
	1844	0	HIS			9.917	-1.896	38.509		12.61
MOTA	1845	N	CYS			8.085	-0.528	38.539		18.46
ATOM ATOM		CA	CYS			8.250	-0.016	39.911		14.56
	1846 1847	CB	CYS			9.019	1.304	39.865		10.22
ATOM	1848	SG	CYS			8.326	2.556	38.746		14.87
ATOM		C	CYS			6.876	0.022	40.549		15.86
ATOM ATOM	1849 1850	0	CYS			6.192	-1.015	40.537		13.86
ATOM	1851	N			246	6.376	1.128	41.113	1.00	9.56
	1852	CA			246	4.987	1.073	41.577	1.00	9.76
ATOM ATOM	1853	CB			246	4.844	1.783	42.926	1.00	7.75
		OG			246	3.495	1.651	43.398	1.00	9.89
ATOM	1854	C			246	4.052	1.626	40.505	1.00	9.69
ATOM	1855 1856	0			246	3.099	0.947	40.088		10.94
ATOM	1857	N	ALA			4.265	2.853	40.014		15.37
MOTA		CA	ALA			3.443	3.430	38.976		12.59
ATOM	1858		ALA			3.411	4.964	38.966		11.87
ATOM	1859	СВ	ALA			3.960	3.046	37.583		10.49
ATOM	1860	С	ALA			3.242	3.172	36.600		15.72
ATOM	1861	0					2.627	37.542	1.00	
ATOM	1862	N	GLY			5.216		36.284		13.53
ATOM	1863	CA	GLY			5.870	2.318	35.570		20.73
MOTA	1864	C	GLY			6.210	3.615			15.35
ATOM	1865	0	GLY			6.104	3.656	34.349		14.47
MOTA	1866	N	VAL			6.616	4.653	36.301		
ATOM	1867	CA	VAL			7.031	5.853	35.561		23.41
ATOM	1868	CB	VAL			5.942	6.948	35.534		27.80 10.99
ATOM	1869		VAL			4.675	6.441	34.850		
ATOM	1870		VAL			5.615	7.470	36.930		21.36
MOTA	1871	С	VAL	A	249	8.342	6.437	36.071	1.00	18.78

MOTA	1872	0	VAL	Α	249	9.252	6.752	35.288	1.00 16.76
MOTA	1873	N	GLY	Α	250	8.505	6.625	37.372	1.00 17.57
MOTA	1874	CA	GLY	Α	250	9.695	7.363	37.801	1.00 15.55
ATOM	1875	С	GLY	Α	250	10.939	6.526	37.860	1.00 11.84
MOTA	1876	0	GLY			11.945		37.165	1.00 17.28
ATOM	1877	N	ARG			10.945		38.740	1.00 11.43
ATOM	1878	CA	ARG			12.141		38.866	1.00 10.27
MOTA	1879	CB			251	12.050		40.148	1.00 14.41
ATOM	1880	CG	ARG			12.082		41.366	1.00 15.59
ATOM	1881	CD	ARG			11.706		42.647	1.00 10.84
	1882	NE	ARG			10.278		42.721	1.00 15.91
ATOM	1883	CZ	ARG			9.729		43.709	1.00 22.05
ATOM			ARG			10.528		44.665	1.00 12.86
ATOM	1884							43.697	1.00 12.00
ATOM	1885		ARG			8.413			1.00 13.30
ATOM	1886	С	ARG			12.319		37.620	
ATOM	1887	0	ARG			13.444		37.141	1.00 13.49
MOTA	1888	N	THR			11.189		37.112	1.00 10.86
ATOM	1889	CA	THR			11.278		35.826	1.00 8.96
ATOM	1890	CB	THR			9.877		35.429	1.00 16.98
MOTA	1891	OG1	THR			9.509		36.311	1.00 15.33
MOTA	1892	CG2	THR			9.847		34.015	1.00 18.22
MOTA	1893	С	THR			11.901		34.745	1.00 13.54
MOTA	1894	0	THR			12.828		34.003	1.00 14.11
MOTA	1895	N	GLY			11.410		34.594	1.00 14.04
MOTA	1896	CA	GLY	Α	253	11.976		33.532	1.00 16.89
MOTA	1897	С	$\operatorname{GLY}$			13.426		33.711	1.00 11.18
MOTA	1898	0	$\operatorname{GLY}$	A	253	14.233		32.777	1.00 14.06
MOTA	1899	Ŋ	THR	Α	254	13.831	6.138	34.965	1.00 12.53
ATOM	1900	CA	THR	A	254	15.235	6.408	35.233	1.00 13.37
MOTA	1901	CB	THR	Α	254	15.455	6.837	36.695	1.00 16.96
MOTA	1902	OG1	THR	Α	254	14.606	7.960	36.960	1.00 17.14
MOTA	1903	CG2	THR	Α	254	16.884	7.294	36.923	1.00 17.26
MOTA	1904	С	THR	Α	254	16.108	5.200	34.937	1.00 18.94
MOTA	1905	0	THR	Α	254	17.217	5.344	34.409	1.00 17.66
ATOM	1906	N	PHE			15.602	4.014	35.263	1.00 11.19
MOTA	1907	CA	PHE			16.362	2.796	34.987	1.00 10.10
MOTA	1908	СВ	PHE			15.617	1.534	35.479	1.00 12.68
ATOM	1909	CG	PHE	Α	255	16.273	0.217	35.051	1.00 13.42
ATOM	1910	CD1				17.258		35.873	1.00 14.10
MOTA	1911	CE1	PHE			17.901		35.535	1.00 15.64
ATOM	1912	CZ	PHE			17.592		34.345	1.00 14.48
ATOM	1913		PHE			16.600		33.523	1.00 15.99
MOTA	1914		PHE			15.937		33.898	1.00 19.84
ATOM	1915	C	PHE			16.626		33.493	1.00 11.10
ATOM	1916	0	PHE			17.732		33.060	1.00 14.84
ATOM	1917	N	ILE			15.561		32.704	1.00 14.82
ATOM	1918	CA	ILE			15.726		31.264	1.00 10.00
ATOM	1919	CB	ILE			14.352		30.589	1.00 12.80
ATOM	1920		ILE			13.558		30.943	1.00 12.00
	1920		ILE			12.084		30.602	1.00 12.54
ATOM ATOM	1921		ILE			14.463		29.091	1.00 12.54
		CGZ	ILE			16.584		30.662	1.00 14.37
MOTA	1923		TIL	ч	200	10.04	5.750	50.002	1.00 14.07

ATOM	1924	0	ILE	Α	256	17.387	3.496	29.766	1.00 20.73
ATOM	1925	N	ALA	Α	257	16.399	4.970	31.154	1.00 16.70
ATOM	1926	CA	ALA	Α	257	17.236	6.040	30.612	1.00 12.87
ATOM	1927	CB	ALA	Α	257	16.865	7.389	31.209	1.00 18.47
MOTA	1928	С	ALA	Α	257	18.699	5.703	30.858	1.00 19.90
ATOM	1929	0	ALA	Α	257	19.567	5.851	29.993	1.00 19.76
MOTA	1930	N	LEU	Α	258	18.967	5.203	32.071	1.00 15.65
ATOM	1931	CA	LEU	Α	258	20.358	4.894	32.395	1.00 16.29
ATOM	1932	СВ	LEU	Α	258	20.501	4.631	33.901	1.00 18.82
ATOM	1933	CG	LEU	A	258	21.938	4.343	34.350	1.00 18.09
ATOM	1934		LEU	Α	258	22.864	5.426	33.809	1.00 16.26
MOTA	1935	CD2	LEU	Α	258	22.000	4.251	35.864	1.00 19.56
ATOM	1936	С	LEU			20.840	3.708	31.580	1.00 21.01
ATOM	1937	0	LEU			21.974	3.651	31.110	1.00 23.61
ATOM	1938	N	ASP			19.972	2.715	31.377	1.00 14.03
ATOM	1939	CA	ASP			20.372	1.573	30.549	1.00 19.00
ATOM	1940	СВ	ASP			19.247	0.544	30.512	1.00 16.27
ATOM	1941	CG			259	19.491	-0.692	29.670	1.00 16.85
ATOM	1942		ASP			20.621	-1.227	29.689	1.00 22.41
ATOM	1943		ASP			18.564	-1.164	28.976	1.00 22.35
ATOM	1944	C	ASP			20.732	2.051	29.142	1.00 24.46
ATOM	1945	0	ASP			21.715	1.611	28.532	1.00 22.50
ATOM	1946	N	ARG			19.915	2.967	28.624	1.00 18.68
ATOM	1947	CA	ARG			20.166	3.492	27.277	1.00 21.73
ATOM	1948	СВ	ARG			18.965	4.302	26.759	1.00 19.52
MOTA	1949	CG	ARG			17.772	3.420	26.379	1.00 21.69
ATOM	1950	CD	ARG			16.687	4.238	25.678	1.00 27.46
ATOM	1951	NE	ARG			17.207	4.867	24.479	1.00 35.48
ATOM	1952	CZ	ARG			16.651	5.618	23.551	1.00 36.55
ATOM	1953		ARG			15.372	5.944	23.580	1.00 47.22
ATOM	1954		ARG			17.404	6.063	22.548	1.00 36.27
ATOM	1955	C	ARG			21.432	4.331	27.217	1.00 26.15
ATOM	1956	0	ARG			22.192	4.165	26.256	1.00 23.92
ATOM	1957	N			261	21.688	5.215	28.182	1.00 26.20
ATOM	1958	CA			261	22.842	6.103	28.059	1.00 22.09
ATOM	1959	CB	ILE			22.764	7.376	28.922	1.00 23.64
ATOM	1960	CG1				23.001	7.148	30.418	1.00 30.05
MOTA	1961	CD1	ILE			22.191	8.055	31.328	1.00 30.61
ATOM	1962		ILE			21.452	8.105	28.674	1.00 18.34
MOTA	1963	C	ILE			24.146	5.381	28.394	1.00 28.75
ATOM	1964	0			261	25.206	5.722	27.854	1.00 36.26
ATOM	1965	N	LEU			24.110	4.384	29.276	1.00 25.96
ATOM	1966	CA	LEU			25.364	3.663	29.544	1.00 24.13
ATOM	1967	CB	LEU			25.207	2.686	30.699	1.00 24.26
	1968	CG	LEU			25.112	3.236	32.123	1.00 20.71
MOTA			LEU			25.112	2.071	33.101	1.00 24.55
MOTA	1969 1970		LEU			26.257	4.176	32.453	1.00 23.31
MOTA			LEU			25.812	2.958	28.271	1.00 29.49
ATOM	1971 1972	C	LEU			27.004	2.863	27.968	1.00 29.49
ATOM		O N	GLN			24.851	2.454	27.494	1.00 38.42
ATOM	1973	N	GLN			25.225	1.863	26.204	1.00 29.32
ATOM	1974	CA						25.545	1.00 33.18
MOTA	1975	CB	GLN	А	203	24.015	1.216	23.343	1.00 34.37

ATOM	1976	CG	GLN	Α	263	23.632	-0.140	26.125	1.00	36.78
MOTA	1977	CD	GLN	Α	263	22.277	-0.630	25.661	1.00	34.45
MOTA	1978	OE1	GLN	Α	263	22.167	-1.327	24.653	1.00	32.02
ATOM	1979	NE2	GLN	Α	263	21.219	-0.276	26.388	1.00	29.68
ATOM	1980	С			263	25.867	2.912	25.300	1.00	38.62
ATOM	1981	0			263	26.927	2.694	24.702	1.00	44.23
ATOM	1982	N			264	25.255	4.084	25.187		40.04
	1983	CA			264	25.848	5.189	24.439		37.35
MOTA					264	25.018	6.461	24.597		30.80
ATOM	1984	CB			264	23.739	6.499	23.777		28.49
ATOM	1985	CG				23.739		24.195		36.13
MOTA	1986	CD			264		7.650			35.61
ATOM	1987	OE1				23.318	8.630	24.778		
MOTA	1988	NE2				21.552	7.519	23.905		30.19
MOTA	1989	С	GLN			27.280	5.460	24.900		46.87
MOTA	1990	0			264	28.192	5.539	24.076		59.11
ATOM	1991	N			265	27.474	5.599	26.210		44.30
MOTA	1992	CA	LEU	Α	265	28.805	5.808	26.774		44.22
ATOM	1993	CB	LEU	Α	265	28.794	5.779	28.295		47.83
ATOM	1994	CG	LEU	Α	265	28.082	6.900	29.043	1.00	50.56
ATOM	1995	CD1	LEU	Α	265	28.140	6.641	30.544	1.00	39.48
ATOM	1996	CD2	LEU	Α	265	28.678	8.255	28.696	1.00	54.16
ATOM	1997	С	LEU	Α	265	29.763	4.736	26.265	1.00	45.05
ATOM	1998	0	LEU			30.912	5.011	25.925	1.00	54.65
ATOM	1999	N			266	29.280	3.495	26.209	1.00	40.79
ATOM	2000	CA			266	30.137	2.440	25.670		47.27
ATOM	2001	CB			266	29.739	1.083	26.257		43.47
ATOM	2002	CG			266	30.102	0.960	27.721		44.36
ATOM	2002		ASP			31.196	1.428	28.101		58.24
	2003		ASP			29.297	0.391	28.488		53.34
ATOM						30.066	2.396	24.154		58.50
ATOM	2005	С			266			23.506		56.64
MOTA	2006	0			266	30.476	1.429			67.18
MOTA	2007	N			267	29.538	3.434	23.497		73.64
MOTA	2008	CA	SER			29.465	3.282	22.038		
MOTA	2009	CB			267	28.110	2.671	21.667		75.02
ATOM	2010	OG			267	28.161	1.258	21.786		72.08
ATOM	2011	C	SER			29.693	4.592	21.301		81.56
MOTA	2012	0	SER			30.504	4.666	20.376		96.45
ATOM	2013	N	LYS			28.971	5.630	21.705		82.73
ATOM	2014	CA	LYS			29.039	6.931	21.064		81.39
MOTA	2015	CB	LYS	Α	268	27.736	7.709	21.286		92.60
ATOM	2016	CG	LYS	Α	268	26.518	7.115	20.597	1.00	
ATOM	2017	CD	LYS	Α	268	25.516	8.187	20.194	1.00	99.41
MOTA	2018	CE	LYS	Α	268	25.288	9.191	21.312	1.00	97.43
ATOM	2019	NZ	LYS			23.896	9.151	21.836	1.00	86.39
ATOM	2020	С	LYS			30.209	7.766	21.583	1.00	67.12
ATOM	2021	Ö	LYS			30.930	7.340	22.478		61.30
ATOM	2022	N	ASP			30.340	8.941	20.995	1.00	
ATOM	2023	CA	ASP			31.277	9.986	21.380	1.00	
ATOM	2023	CB	ASP			31.994	10.514	20.137	1.00	
ATOM	2025	CG	ASP			31.482	9.789	18.899	1.00	
	2025		ASP			32.270	9.060	18.261	1.00	
ATOM						30.283	9.954	18.585		82.09
ATOM	2027	UUZ	ASP	А	209	30.403	2.204	10.565	1.00	02.00

ATOM	2028	С	ASP	Α	269	30.498	11.081	22.096	1.00 54.39
MOTA	2029	0	ASP	Α	269	30.997	12.070	22.621	1.00 37.16
ATOM	2030	N	SER	Α	270	29.183	10.843	22.108	1.00 44.05
ATOM	2031	CA	SER	Α	270	28.290	11.754	22.805	1.00 48.15
MOTA	2032	СВ	SER			27.593	12.687	21.814	1.00 54.66
ATOM	2033	OG			270	27.367	12.009	20.588	1.00 61.37
ATOM	2034	C			270	27.261	10.971	23.609	1.00 44.27
MOTA	2035	0	SER			27.045	9.781	23.410	1.00 33.61
ATOM	2036	N	VAL			26.613	11.652	24.544	1.00 41.56
	2030	CA	VAL			25.550	10.966	25.288	1.00 44.74
ATOM	2037	CB	VAL			25.984	10.636	26.722	1.00 43.78
MOTA			VAL			26.585	11.844	27.428	1.00 22.16
ATOM	2039		VAL			24.822	10.084	27.544	1.00 24.65
ATOM	2040		VAL			24.322	11.852	25.185	1.00 24.03
ATOM	2041	C						25.177	1.00 43.30
ATOM	2042	0	VAL			24.418	13.084		1.00 32.23
ATOM	2043	N	ASP			23.146	11.232	25.058	
ATOM	2044	CA	ASP			21.929	12.022	24.874	1.00 36.34
MOTA	2045	СВ	ASP			21.317	11.723	23.500	1.00 28.68
ATOM	2046	CG	ASP			20.345	12.806	23.075	1.00 25.29
MOTA	2047		ASP			20.363	13.875	23.726	1.00 33.02
MOTA	2048		ASP			19.581	12.595	22.112	1.00 37.57
ATOM	2049	С	ASP			20.936	11.754	25.993	1.00 33.69
ATOM	2050	0	ASP			19.969	11.023	25.818	1.00 35.34
MOTA	2051	N	ILE			21.171	12.338	27.166	1.00 29.39
MOTA	2052	CA	ILE			20.262	12.106	28.281	1.00 31.17
MOTA	2053	СВ	ILE			20.840	12.632	29.611	1.00 33.58
ATOM	2054	CG1	ILE			22.112	11.900	30.045	1.00 34.59
MOTA	2055	CD1	ILE			22.785	12.475	31.270	1.00 32.68
MOTA	2056	CG2	ILE			19.793	12.604	30.714	1.00 21.45
ATOM	2057	С	ILE			18.909	12.754	28.018	1.00 36.45
MOTA	2058	0	ILE			17.873	12.152	28.319	1.00 29.72
MOTA	2059	N	TYR			18.921	13.967	27.465	1.00 23.18
ATOM	2060	CA	TYR			17.658	14.663	27.204	1.00 23.24
MOTA	2061	CB	TYR			17.927	16.065	26.659	1.00 21.30
MOTA	2062	CG	TYR			16.720	16.885	26.286	1.00 28.11
MOTA	2063	CD1				16.099	17.722	27.205	1.00 30.12
MOTA	2064	CE1				14.991	18.475	26.855	1.00 36.51
MOTA	2065	CZ	TYR			14.486	18.401	25.576	1.00 39.07
ATOM	2066	ОН	TYR			13.384	19.137	25.206	1.00 39.75
MOTA	2067		TYR			15.082	17.578	24.641	1.00 33.12
ATOM	2068		TYR			16.183	16.837	25.003	1.00 30.11
ATOM	2069	С	TYR			16.810	13.851	26.229	1.00 23.51
MOTA	2070	0	TYR			15.604	13.715	26.425	1.00 26.03
ATOM	2071	N	GLY			17.435	13.350	25.181	1.00 21.12
MOTA	2072	CA	GLY	A	275	16.774	12.633	24.100	1.00 24.69
ATOM	2073	С	GLY			16.230	11.296	24.575	1.00 30.05
MOTA	2074	0	GLY			15.206	10.793	24.115	1.00 26.82
MOTA	2075	N	ALA			16.950	10.705	25.531	1.00 28.67
ATOM	2076	ÇA	ALA			16.477	9.436	26.087	1.00 28.22
ATOM	2077	CB	ALA			17.538	8.828	26.980	1.00 23.79
MOTA	2078	С	ALA	Α	276	15.165	9.685	26.816	1.00 25.48
MOTA	2079	0	ALA	A	276	14.174	8.993	26.612	1.00 21.68

ATOM	2080	N	VAL	Α	277	15	.134	10.709	27.669	1.00 19.63
ATOM	2081	CA	VAL	Α	277	13	.928	10.960	28.450	1.00 18.94
ATOM	2082	СВ	VAL				.184	11.957		
							.919	12.193		
ATOM	2083	CG1								
MOTA	2084		VAL				.308	11.457		
ATOM	2085	С	VAL				.820	11.458		
MOTA	2086	0	VAL	A	277		.642	11.184		
ATOM	2087	N	HIS	Α	278	13	.225	12.224		
ATOM	2088	CA	HIS	Α	278	12	.220	12.729	25.587	1.00 20.77
ATOM	2089	СВ	HIS	Α	278	12	.888	13.637	24.538	1.00 19.46
ATOM	2090	CG	HIS				.915	14.109	23.501	1.00 27.73
MOTA	2091		HIS				.599	13.361		
	2092	CE1	HIS				.714	14.023		
ATOM							.441	15.169		
ATOM	2093	NE2	HIS							
ATOM	2094		HIS				.180	15.243		
ATOM	2095	C	HIS				.505	11.529		
ATOM	2096	0	HIS				.282	11.474		
ATOM	2097	N	ASP				.283	10.576		
MOTA	2098	CA	ASP	Α	279	11	.736	9.408		1.00 23.11
ATOM	2099	CB	ASP	Α	279	12	.830	8.508	23.192	1.00 31.32
ATOM	2100	CG	ASP	Α	279	12	.445	7.760	21.931	1.00 41.53
ATOM	2101		ASP			11	.649	8.288	21.124	1.00 44.27
ATOM	2102		ASP				.924	6.627		
ATOM	2103	C	ASP				.860	8.613		
			ASP				.794	8.139		
ATOM	2104	0								
MOTA	2105	N	LEU				.327	8.486		
ATOM	2106	CA	LEU				.517	7.786		
ATOM	2107	CB	LEU				.270	7.751		
MOTA	2108	CG	LEU				.388	6.723		
MOTA	2109	CD1	LEU				.190	6.944		
MOTA	2110	CD2	LEU	Α	280	11	.836	5.303		
ATOM	2111	С	LEU	Α	280	9	.162	8.456	27.109	1.00 19.74
MOTA	2112	0	LEU	Α	280	8	.100	7.831	27.099	1.00 15.47
ATOM	2113	N	ARG	Α	281	9	.152	9.785	27.240	1.00 17.32
ATOM	2114	CA	ARG			7	.931	10.535	27.402	1.00 18.47
ATOM	2115	СВ	ARG				.195	12.047		
ATOM	2116	CG	ARG				.115	12.436		
MOTA	2117	CD	ARG				.318	12.580		1.00 34.02
	2118	NE	ARG				.199	13.015		
ATOM								13.737		
MOTA	2119	CZ	ARG							
ATOM	2120		ARG				.595	14.129		
ATOM	2121		ARG				.769	14.055		
ATOM	2122	С	ARG				.987	10.381		
ATOM	2123	0	ARG				.785	10.568		
MOTA	2124	N	LEU	A	282	7	.549	10.111		
ATOM	2125	CA	LEU	Α	282	6	.620	9.977		
ATOM	2126	СВ	LEU	Α	282	7	.338	9.907	22.559	1.00 21.15
ATOM	2127	CG	LEU				.060	11.126		1.00 32.88
ATOM	2128		LEU				.732	10.767		
ATOM	2129		LEU				.133	12.311		
ATOM	2130	C	LEU				.763	8.721		
		0	LEU				.658	8.631		
MOTA	2131	0	TIPO	7,	202	4	. 000	0.001	۷٠٠٠ کار د	1.00 21.04

ATOM	2132	N	HIS	Α	283	6.263	3 7.7	39 24.82	23 1.00 1	.6.75
MOTA	2133	CA	HIS	Α	283	5.57	4 6.4	50 24.90	05 1.00 1	.7.03
ATOM	2134	СВ	HIS	Α	283	6.621	1 5.3	50 24.64	14 1.00 1	7.45
ATOM	2135	CG	HIS	Α	283	7.133	3 5.4	64 23.23	34 1.00 1	9.75
MOTA	2136	ND1	HIS	Α	283	6.502	2 4.8	68 22.16	59 1.00 2	24.70
ATOM	2137	CE1	HIS			7.156		49 21.05	66 1.00 2	24.61
ATOM	2138		HIS			8.193				23.33
ATOM	2139		HIS			8.186				
ATOM	2140	C	HIS			4.831				
ATOM	2141	0	HIS			3.932				2.95
MOTA	2142	N	ARG			5.125				2.46
ATOM	2142	CA	ARG			4.36				2.55
	2143	CB	ARG			4.869				3.17
ATOM		CG	ARG			4.072				0.87
MOTA	2145									.7.92
ATOM	2146	CD	ARG			4.464				1.92
ATOM	2147	NE	ARG			3.933				
MOTA	2148	CZ	ARG			2.752				
ATOM	2149		ARG			1.953				
ATOM	2150		ARG			2.348				1.55
MOTA	2151	С	ARG			4.496				.2.80
ATOM	2152	0	ARG			5.555				3.52
ATOM	2153	N	VAL			3.435				
MOTA	2154	CA	VAL			3.419				
MOTA	2155	CB	VAL			1.998				
MOTA	2156		VAL			1.657				
MOTA	2157	CG2	VAL	Α	285	1.848			37 1.00 2	1.60
MOTA	2158	С	VAL	А	285	4.429	9.6	40 31.98	1.00 2	4.82
MOTA	2159	0	VAL	A	285	4.767	8.5	81 32.51	1 1.00 1	8.02
MOTA	2160	N	HIS	А	286	4.926	5 10.8	23 32.33	1.00 2	2.81
MOTA	2161	CA	HIS	Α	286	5.818	3 11.0	84 33.44	0 1.00 2	0.84
MOTA	2162	CB	HIS	Α	286	5.069	10.8	72 34.76	1.00 2	4.11
MOTA	2163	CG	HIS	Α	286	3.818	3 11.6	63 34.96	55 1.00 2	8.34
MOTA	2164	ND1	HIS	A	286	3.763	3 13.0	39 34.93	6 1.00 2	8.84
MOTA	2165	CE1	HIS	Α	286	2.526	3 13.4	48 35.14	7 1.00 2	8.83
ATOM	2166	NE2	HIS	Α	286	1.766	12.3	80 35.31	7 1.00 3	2.75
ATOM	2167	CD2	HIS	Α	286	2.548	3 11.2	55 35.21	6 1.00 2	6.94
MOTA	2168	С	HIS	Α	286	7.084	10.2	32 33.51	0 1.00 2	1.64
ATOM	2169	0	HIS			7.661	10.2	18 34.61	5 1.00 2	6.93
ATOM	2170	N	MET	Α	287	7.550			8 1.00 1	3.96
MOTA	2171	CA	MET			8.792			0 1.00 1	3.56
ATOM	2172	СВ	MET			9.223				
ATOM	2173	CG	MET			8.741				
ATOM	2174	SD	MET			8.371				
ATOM	2175	CE	MET			6.873				
ATOM	2176	C	MET			9.919				
ATOM	2177	0	MET			10.136				
ATOM	2178	N	VAL			10.581				
ATOM	2179	CA	VAL			11.539				
ATOM	2179	CB	VAL			12.719				8.73
ATOM	2181		VAL			13.598				
	2182		VAL			13.506				
ATOM		CGZ	VAL			10.780				
ATOM	2183	C	۸WP	Н	200	10.700	, 11.1	0, 33.30	7 1.00 4	3.00

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MOTA	2184	0	VAL	A	288	10.586	12.174	35.013	1.00 30.01
MOTA	2185	N			289	10.325	10.820	36.799	1.00 20.54
ATOM	2186	CA			289	9.237	11.559	37.407	1.00 28.07
ATOM	2187	СВ			289	8.381	10.595	38.239	1.00 31.79
MOTA	2188	CG			289	7.078	11.185	38.754	1.00 34.58
ATOM	2189	CD			289	7.101	11.363	40.266	1.00 35.98
ATOM	2190	OE1			289	7.791	10.623	40.972	1.00 26.51
ATOM	2191	NE2			289	6.346	12.347	40.753	1.00 36.09
ATOM	2192	С			289	9.689	12.720	38.278	1.00 33.05
ATOM	2193	0			289	8.858	13.599	38.525	1.00 35.10
ATOM	2194	N			290	10.936	12.736	38.736	1.00 30.88
ATOM	2195	CA			290	11.372	13.920	39.491	1.00 28.02
MOTA	2196	CB			290	11.590	13.611	40.984	1.00 29.29
ATOM	2197	OG1			290	12.661	12.677	41.160	1.00 35.40
ATOM ATOM	2198 2199	CG2 C			290	10.331	12.980	41.563	1.00 24.35
ATOM	2200	0			290 290	12.639 13.496	14.518 13.903	38.909	1.00 23.50 1.00 21.72
ATOM	2200	N			291	12.806	15.830	38.287 39.108	1.00 21.72
ATOM	2202	CA			291	13.996	16.481	38.534	1.00 35.00
ATOM	2203	CB	GLU			13.849	17.986	38.728	1.00 26.38
ATOM	2204	CG	GLU			14.794	18.656	39.697	1.00 30.13
ATOM	2205	CD	GLU			15.133	20.079	39.279	1.00 47.53
ATOM	2206	OE1				16.237	20.541	39.645	1.00 58.58
ATOM	2207	OE2				14.306	20.719	38.593	1.00 33.56
ATOM	2208	С	GLU			15.255	15.901	39.151	1.00 20.43
ATOM	2209	0	GLU			16.325	15.881	38.543	1.00 24.26
ATOM	2210	N	CYS			15.139	15.407	40.386	1.00 20.50
ATOM	2211	CA	CYS	Α	292	16.308	14.825	41.039	1.00 19.18
ATOM	2212	CB	CYS	Α	292	16.040	14.535	42.517	1.00 31.41
MOTA	2213	SG	CYS	Α	292	17.552	14.159	43.444	1.00101.20
ATOM	2214	С	CYS	Α	292	16.721	13.542	40.335	1.00 20.87
ATOM	2215	0	CYS	А	292	17.899	13.219	40.202	1.00 24.99
ATOM	2216	N	GLN	А	293	15.718	12.795	39.862	1.00 26.29
ATOM	2217	CA	GLN			16.062	11.613	39.055	1.00 22.01
ATOM	2218	CB	GLN			14.785	10.827	38.720	1.00 22.44
ATOM	2219	CG	GLN			14.242	10.156	39.972	1.00 21.37
ATOM	2220	CD	GLN			12.831	9.628	39.838	1.00 24.27
ATOM	2221	OE1			293	12.134	9.855	38.848	1.00 23.20
ATOM	2222	NE2	GLN			12.439	8.904	40.884	1.00 18.53
ATOM	2223	С	GLN			16.816	12.029	37.805	1.00 18.20
ATOM	2224	0	GLN			17.797	11.408	37.389	1.00 21.10
ATOM	2225	N	TYR			16.355	13.121	37.196	1.00 20.29
ATOM	2226	CA	TYR			17.034	13.649	36.006	1.00 17.93
ATOM	2227	CB	TYR			16.239	14.824	35.456	1.00 20.72
ATOM	2228	CG CD1	TYR			16.600	15.299	34.066	1.00 22.13
ATOM	2229 2230		TYR			16.441	14.487	32.949	1.00 22.03
ATOM ATOM	2230	CE1 CZ	TYR TYR			16.767	14.926	31.680 31.527	1.00 27.01
ATOM	2231	OH	TYR			17.259 17.590	16.212 16.669	30.275	1.00 31.26 1.00 31.95
ATOM	2233		TYR			17.426	17.043	30.275	1.00 31.95
ATOM	2234		TYR			17.420	16.581	33.871	1.00 24.80
ATOM	2235	C	TYR			18.457	14.063	36.353	1.00 24.21
		_			1	20.107	~ 1 • 0 0 0	50.555	1.00 20.00

MOTA	2236	0	TYR	Α	294	19.401	13.726	35.643	1.00 24.45
MOTA	2237	N	VAL	Α	295	18.626	14.790	37.467	1.00 27.38
ATOM	2238	CA	VAL	Α	295	19.981	15.130	37.908	1.00 26.38
ATOM	2239	СВ	VAL			19.989	15.931	39.225	1.00 21.43
MOTA	2240		VAL			21.402	15.984	39.784	1.00 28.13
ATOM	2241	CG2				19.428	17.326	39.000	1.00 34.94
ATOM	2242	C	VAL			20.839	13.888	38.136	1.00 21.34
ATOM	2242	0	VAL			21.991	13.837	37.730	1.00 23.60
ATOM	2243	N			296	20.296	12.876	38.792	1.00 22.55
					296	20.236	11.609	39.039	1.00 27.13
ATOM	2245	CA				20.976	10.665	39.773	1.00 27.13
MOTA	2246	CB			296		9.329		1.00 19.15
ATOM	2247	CG			296	20.587		40.167	
MOTA	2248	CD1			296	21.493	9.191	41.211	1.00 21.56
MOTA	2249	CE1	TYR			22.022	7.967	41.576	1.00 20.08
MOTA	2250	CZ			296	21.628	6.841	40.876	1.00 22.87
ATOM	2251	OH			296	22.136	5.601	41.213	1.00 22.11
MOTA	2252	CE2	TYR			20.734	6.954	39.842	1.00 23.68
MOTA	2253	CD2			296	20.211	8.179	39.483	1.00 25.13
ATOM	2254	С	TYR	A	296	21.495	10.947	37.771	1.00 22.49
MOTA	2255	0	TYR	Α	296	22.607	10.406	37.752	1.00 24.52
ATOM	2256	N	LEU	Α	297	20.734	10.960	36.675	1.00 24.50
ATOM	2257	CA	LEU	Α	297	21.265	10.390	35.437	1.00 19.36
ATOM	2258	CB	LEU	Α	297	20.278	10.510	34.275	1.00 22.49
ATOM	2259	CG	LEU	Α	297	18.987	9.697	34.406	1.00 21.19
ATOM	2260	CD1	LEU	Α	297	17.931	10.172	33.424	1.00 18.99
MOTA	2261	CD2	LEU	Α	297	19.330	8.224	34.235	1.00 22.58
MOTA	2262	С	LEU	Α	297	22.563	11.092	35.039	1.00 22.83
MOTA	2263	0	LEU			23.545	10.455	34.672	1.00 26.28
ATOM	2264	N	HIS			22.539	12.432	35.118	1.00 27.23
ATOM	2265	CA	HIS			23.760	13.165	34.773	1.00 26.75
MOTA	2266	СВ	HIS			23.526	14.672	34.793	1.00 25.81
ATOM	2267	CG	HIS			22.724	15.186	33.644	1.00 24.47
ATOM	2268	ND1	HIS			21.358	15.061	33.562	1.00 26.77
MOTA	2269		HIS			20.938	15.617	32.434	1.00 31.41
ATOM	2270		HIS			21.982	16.099	31.780	1.00 22.95
ATOM	2271		HIS			23.105	15.841	32.519	1.00 26.28
MOTA	2272	C	HIS			24.877	12.814	35.749	1.00 24.86
ATOM	2273	0	HIS			26.009	12.584	35.342	1.00 32.20
ATOM	2274	N	GLN			24.555	12.775	37.044	1.00 20.61
ATOM	2275	CA	GLN			25.600	12.405	38.005	1.00 27.30
	2276		GLN			25.007	12.400	39.440	1.00 27.30
ATOM		CB	GLN			24.644	13.789	39.945	1.00 29.83
ATOM	2277	CG							1.00 29.63
ATOM	2278	CD	GLN			24.030	13.768	41.327	
MOTA	2279		GLN			23.233	12.894	41.678	1.00 50.54
ATOM	2280		GLN			24.382	14.755	42.148	1.00 42.66
MOTA	2281	С	GLN			26.174	11.033	37.665	1.00 30.62
ATOM	2282	0	GLN			27.380	10.808	37.781	1.00 24.65
ATOM	2283	N	CYS			25.311	10.110	37.244	1.00 32.98
MOTA	2284	CA	CYS			25.750	8.773	36.865	1.00 31.19
MOTA	2285	CB	CYS			24.539	7.921	36.453	1.00 27.79
ATOM	2286	SG	CYS			23.647	7.209	37.864	1.00 24.58
ATOM	2287	С	CYS	A	300	26.765	8.828	35.727	1.00 34.76

ATOM	2288	0			300	27.822	8.196	35.729		23.29
MOTA	2289	N	VAL	Α	301	26.420	9.615	34.708	1.00	32.86
ATOM	2290	CA	VAL	Α	301	27.302	9.758	33.561	1.00	33.82
ATOM	2291	СВ	VAL			26.630	10.582	32.444	1.00	31.77
MOTA	2292		VAL			27.618	10.894	31.330		32.91
			VAL			25.418	9.821	31.923		36.31
ATOM	2293							33.941		30.73
ATOM	2294	C	VAL			28.618	10.429			
MOTA	2295	0			301	29.692	10.022	33.501		35.82
ATOM	2296	N			302	28.541	11.468	34.763		31.17
ATOM	2297	CA			302	29.790	12.172	35.086		30.26
MOTA	2298	CB	ARG	Α	302	29.484	13.422	35.894		32.62
ATOM	2299	CG	ARG	Α	302	30.689	14.073	36.564	1.00	30.76
ATOM	2300	CD	ARG	Α	302	30.203	14.793	37.826	1.00	35.56
MOTA	2301	NE	ARG	Α	302	29.679	13.851	38.796	1.00	36.12
ATOM	2302	CZ	ARG			28.999	14.106	39.898	1.00	43.20
ATOM	2303	NH1				28.702	15.351	40.255		58.84
ATOM	2304		ARG			28.601	13.098	40.671		37.42
ATOM	2304	C	ARG			30.720	11.213	35.811		38.00
						31.934	11.187	35.602		46.79
ATOM	2306	0	ARG							34.78
ATOM	2307	N	ASP			30.137	10.376	36.668		-
ATOM	2308	CA	ASP			30.980	9.431	37.404		31.64
ATOM	2309	CB			303	30.186	8.844	38.579		32.29
ATOM	2310	CG	ASP			29.766	9.934	39.553		41.64
ATOM	2311		ASP			30.143	11.104	39.315		48.79
MOTA	2312	OD2	ASP			29.060	9.645	40.542		39.40
ATOM	2313	C	ASP	Α	303	31.529	8.359	36.484	1.00	33.95
ATOM	2314	0	ASP	Α	303	32.681	7.925	36.612	1.00	41.56
MOTA	2315	N	JAV	Α	304	30.755	7.875	35.510	1.00	31.21
ATOM	2316	CA	VAL	Α	304	31.349	6.840	34.658	1.00	39.08
ATOM	2317	CB	VAL	A	304	30.371	6.167	33.685	1.00	44.47
MOTA	2318	CG1	VAL	Α	304	31.089	5.084	32.889	1.00	27.60
ATOM	2319		VAL			29.173	5.541	34.381	1.00	27.78
ATOM	2320	С	VAL			32.485	7.483	33.859		39.60
MOTA	2321	0	VAL			33.515	6.865	33.615		37.42
ATOM	2322	N	LEU			32.257	8.736	33.484		36.24
ATOM	2323	CA	LEU			33.241	9.491	32.714		42.98
	2323	CB	LEU			32.620	10.746	32.093		39.34
MOTA			LEU			31.658	10.512	30.929		34.01
ATOM	2325	CG				31.183	11.828	30.327		28.76
ATOM	2326		LEU							
MOTA	2327		LEU				9.625	29.876		34.10
ATOM	2328	С	LEU			34.425	9.863	33.598		42.82
ATOM	2329	0	LEU			35.578	9.705	33.198		54.32
MOTA	2330	N	ARG			34.150	10.353	34.805		41.87
ATOM	2331	CA	ARG			35.253	10.741	35.681		51.42
ATOM	2332	CB	ARG	Α	306	34.725	11.361	36.979		50.76
ATOM	2333	CG	ARG			34.163	12.761	36.809		57.18
ATOM	2334	CD	ARG	Α	306	33.547	13.297	38.093	1.00	63.89
ATOM	2335	NE	ARG			33.871	14.701	38.302	1.00	65.68
ATOM	2336	CZ	ARG			33.491	15.494	39.287	1.00	66.42
ATOM	2337		ARG			32.710	15.080	40.276	1.00	39.94
ATOM	2338		ARG			33.906	16.759	39.290		95.50
ATOM	2339	C	ARG			36.161	9.553	35.988		65.39
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ATOM	2340	0	ARG	Α	306	37.371	9.710	36.183	1.00 79.48
ATOM	2341	N	ALA	A	307	35.593	8.350	36.039	1.00 63.13
MOTA	2342	CA	ALA	Α	307	36.358	7.181	36.463	1.00 59.88
MOTA	2343	CB			307	35.424	6.123	37.032	1.00 62.57
ATOM	2344	С			307	37.190	6.603	35.327	1.00 63.48
ATOM	2345	0			307	38.185	5.922	35.576	1.00 71.07
MOTA	2346	N			308	36.778	6.878	34.095	1.00 66.80
ATOM	2347	CA			308	37.460	6.357	32.916	1.00 63.53
ATOM	2348	CB			308	36.431	5.843	31.910	1.00 64.58
ATOM	2349	CG			308	35.909	6.905	30.956	1.00 73.99
ATOM	2350	CD	ARG		308	34.390	6.946	30.959	1.00 81.85
ATOM	2351	NE	ARG		308	33.814	5.939	30.070	1.00 85.42
ATOM	2352	CZ	ARG		308	33.523	6.167	28.794	1.00 82.34
ATOM	2353	NH1				33.757	7.365	28.275	1.00 72.00
ATOM ATOM	2354 2355	NH2 C				33.001	5.198	28.053	1.00 74.84
ATOM	2356	0	ARG ARG			38.356 39.461	7.408	32.272	1.00 66.32
ATOM	2357	N	THR		20	44.023	7.117 9.553	31.813 52.894	1.00 55.04
ATOM	2358	CA	THR		20	43.083	8.735	53.658	1.00 44.19 1.00 52.64
ATOM	2359	CB	THR		20	43.790	7.980	54.795	1.00 52.04
ATOM	2360	OG1			20	45.173	7.808	54.450	1.00 33.31
ATOM	2361	CG2	THR		20	43.208	6.590	54.985	1.00 74.31
ATOM	2362	C	THR		20	41.947	9.580	54.229	1.00 46.00
ATOM	2363	0	THR		20	42.162	10.580	54.911	1.00 47.42
ATOM	2364	N	SER		21	40.725	9.158	53.926	1.00 41.46
ATOM	2365	CA	SER		21	39.496	9.819	54.320	1.00 39.05
MOTA	2366	СВ	SER	В	21	39.040	10.796	53.232	1.00 49.38
ATOM	2367	OG	SER	В	21	37.654	10.651	52.968	1.00 64.42
ATOM	2368	С	SER	В	21	38.381	8.816	54.580	1.00 45.97
ATOM	2369	0	SER	В	21	38.392	7.690	54.078	1.00 58.15
ATOM	2370	N	CYS	В	22	37.384	9.218	55.363	1.00 49.85
MOTA	2371	CA	CYS	В	22	36.237	8.334	55.572	1.00 50.77
ATOM	2372	CB	CYS		22	36.423	7.465	56.816	1.00 55.65
ATOM	2373	SG	CYS	В	22	35.067	6.307	57.123	1.00 88.47
ATOM	2374	С	CYS	В	22	34.951	9.143	55.677	1.00 45.29
ATOM	2375	0		В	22	34.411	9.331	56.767	1.00 58.34
MOTA	2376	N		В	23	34.467	9.632	54.543	1.00 39.55
ATOM	2377	CA		В	23	33.212	10.389	54.528	1.00 41.51
ATOM	2378	CB	PRO		23	33.049	10.758	53.050	1.00 40.09
ATOM	2379	CG	PRO		23	34.441	10.713	52.503	1.00 41.78
ATOM	2380	CD	PRO		23	35.072	9.531	53.203	1.00 44.99
ATOM	2381	C	PRO		23	32.027	9.552	55.000	1.00 44.21
ATOM	2382	0	PRO		23	31.963	8.335	54.814	1.00 52.40
ATOM	2383	N	ILE		24	31.065	10.223	55.624	1.00 44.34
ATOM	2384	CA	ILE		24	29.827	9.587	56.044	1.00 48.20
ATOM ATOM	2385 2386	CB CG1	ILE ILE		24 24	29.721 31.043	9.319	57.555	1.00 45.03
ATOM	2387	CD1	ILE		24	31.305	9.095	58.282	1.00 44.77
ATOM	2388		ILE		24	28.778	10.113 8.151	59.373 57.813	1.00 61.25 1.00 56.04
ATOM	2389	CGZ	ILE		24	28.646	10.483	55.663	1.00 36.04
ATOM	2390	0	ILE		24	28.590	11.626	56.128	1.00 46.34
ATOM	2391	N	LYS		25	27.747	9.948	54.848	1.00 30.30
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ATOM	2392	CA	LYS	В	25	26.540	10.698	54.492	1.00 52.98
MOTA	2393	CB	LYS	В	25	25.594	9.846	53.655	1.00 62.63
ATOM	2394	CG	LYS	В	25	25.908	9.737	52.176	1.00 62.43
ATOM	2395	CD	LYS	В	25	27.378	9.486	51.908	1.00 63.27
MOTA	2396	CE	LYS	В	25	27.772	8.047	52.197	1.00 62.30
ATOM	2397	NZ	LYS		25	29.243	7.842	52.072	1.00 60.67
MOTA	2398	C	LYS	В	25	25.859	11.181	55.772	1.00 48.94
ATOM	2399	0		В	25	25.679	10.387	56.698	1.00 46.18
ATOM	2400	N		В	26	25.523	12.466	55.828	1.00 51.90
	2401	CA	ILE		26	24.977	13.025	57.066	1.00 54.24
MOTA	2401	CB	ILE		26	24.660	14.523	56.951	1.00 63.05
MOTA		CG1	ILE		26	23.589	14.879	55.916	1.00 68.15
ATOM	2403					22.545	15.837	56.460	1.00 71.59
ATOM	2404	CD1	ILE		26			56.685	1.00 71.33
ATOM	2405	CG2	ILE		26	25.929	15.325		1.00 51.02
ATOM	2406	С	ILE		26	23.733	12.241	57.465	
ATOM	2407	0	ILE	В	26	23.573	11.830	58.614	1.00 47.65
ATOM	2408	N		В	27	22.870	12.003	56.483	1.00 51.44
ATOM	2409	CA	ASN		27	21.666	11.219	56.721	1.00 61.45
MOTA	2410	CB	ASN		27	20.899	10.993	55.415	1.00 75.84
MOTA	2411	CG	ASN	В	27	20.870	12.209	54.511	1.00 85.31
MOTA	2412	OD1	ASN	В	27	21.910	12.672	54.041	1.00 99.97
ATOM	2413	ND2	ASN	В	27	19.672	12.729	54.262	1.00 93.77
ATOM	2414	С	ASN	В	27	21.985	9.885	57.379	1.00 55.35
ATOM	2415	0	ASN	В	27	21.135	9.336	58.089	1.00 88.25
MOTA	2416	N	GLN	В	28	23.176	9.311	57.195	1.00 48.45
MOTA	2417	CA	GLN	В	28	23.415	8.047	57.894	1.00 52.09
ATOM	2418	СВ	GLN	В	28	24.024	6.974	56.990	1.00 57.63
ATOM	2419	CG	GLN	В	28	24.654	7.430	55.694	1.00 63.93
ATOM	2420	CD	GLN		28	24.174	6.638	54.490	1.00 71.84
ATOM	2421	OE1	GLN		28	24.797	5.657	54.074	1.00 79.09
ATOM	2422	NE2	GLN		28	23.051	7.067	53.920	1.00 63.99
ATOM	2423	C	GLN		28	24.321	8.227	59.103	1.00 48.62
ATOM	2424	0	GLN		28	24.763	7.214	59.654	1.00 48.29
ATOM	2425	N	PHE		29	24.617	9.452	59.529	1.00 55.12
ATOM	2426	CA		В	29	25.569	9.586	60.626	1.00 55.39
ATOM	2427	CB	PHE		29	25.852	11.055	61.000	1.00 55.09
	2427	CG	PHE		29	27.126	11.084	61.852	1.00 51.70
ATOM		CD1			29	28.363	11.034	61.233	1.00 54.80
ATOM	2429 2430				29	29.521	11.036	61.984	1.00 57.30
ATOM			PHE				11.100	63.365	1.00 54.61
ATOM	2431	CZ	PHE		29	29.458			1.00 34.81
ATOM	2432		PHE		29	28.227	11.150	63.988	1.00 41.09
ATOM	2433		PHE		29	27.071	11.145	63.230	
ATOM	2434	С	PHE		29	25.123	8.850	61.890	1.00 57.59
ATOM	2435	0	PHE		29	25.964	8.281	62.594	1.00 47.92
MOTA	2436	N	GLU		30	23.828	8.867	62.167	1.00 63.38
MOTA	2437	CA	GLU		30	23.280	8.207	63.344	1.00 62.77
ATOM	2438	CB	GLU		30	21.748	8.203	63.264	1.00 73.02
ATOM	2439	CG	GLU		30	21.122	9.397	63.971	1.00 77.36
MOTA	2440	CD	GLU		30	21.462	9.438	65.448	1.00 78.77
ATOM	2441	OE1	GLU	В	30	20.929	10.329	66.141	1.00 79.79
ATOM	2442	OE2	GLU	В	30	22.251	8.592	65.918	1.00 84.00
MOTA	2443	С	GLU	В	30	23.793	6.783	63.519	1.00 54.87

ATOM	2444	0	GLU	В	30	24.369	6.4	75 64.563	1.00	35.09
MOTA	2445	N	GLY		31	23.595	5.93	38 62.517	1.00	59.10
ATOM	2446	CA	GLY		31	23.994			1.00	56.95
MOTA	2447	С	GLY		31	25.493				
MOTA	2448	0	GLY		31	26.019				
ATOM	2449	N	HIS		32	26.167				
MOTA	2450	CA	HIS		32	27.629				
ATOM	2451	CB	HIS		32	28.127				
ATOM	2452	CG	HIS		32	29.593				
ATOM	2453	ND1			32	30.445				
ATOM	2454	CE1			32	31.680	7.22			
ATOM	2455		HIS		32	31.669	6.39			
ATOM	2456	CD2	HIS		32	30.382	5.95			
ATOM ATOM	2457 2458	0	HIS		32	28.174	5.16			
ATOM	2459	N	HIS PHE		32 33	28.812	4.19			43.02
ATOM	2459	CA	PHE		33	27.893 28.398	6.21			
ATOM	2460	CB	PHE		33	27.898	6.30			
ATOM	2462	CG	PHE	В	33	28.693	7.59 8.00			58.42
ATOM	2463	CD1	PHE	В	33	30.015	7.63			52.11 40.98
ATOM	2464	CE1			33	30.727	8.00			46.43
ATOM	2465	CZ	PHE		33	30.127	8.75			
ATOM	2466	CE2			33	28.806	9.13			
ATOM	2467	CD2			33	28.101	8.76			
ATOM	2468	С	PHE		33	28.022	5.07		1.00	55.13
ATOM	2469	0	PHE		33	28.890	4.47		1.00	
ATOM	2470	N	MET		34	26.755	4.68		1.00	65.84
ATOM	2471	CA	MET	В	34	26.316	3.48		1.00	75.38
ATOM	2472	CB	MET	В	34	24.841	3.19		1.00	80.09
ATOM	2473	CG	MET	В	34	23.886	3.79		1.00	84.30
MOTA	2474	SD	MET	В	34	22.339	4.40	5 66.779	1.00	87.53
ATOM	2475	CE	MET	В	34	21.767	2.95	2 65.905	1.00	52.16
ATOM	2476	С	MET	В	34	27.188	2.28	4 66.383	1.00	75.48
MOTA	2477	0	MET	В	34	27.588	1.49		1.00	66.38
ATOM	2478	N	LYS		35	27.503	2.19		1.00	75.62
ATOM	2479	CA	LYS		35	28.410	1.19		1.00	70.36
MOTA	2480	СВ	LYS		35	28.646	1.43		1.00	73.89
ATOM	2481	CG		В	35	27.460	1.15		1.00	77.64
ATOM	2482	CD		В	35	27.860	0.24		1.00	79.39
ATOM	2483	CE	LYS		35	27.676	-1.21			81.96
ATOM	2484	NZ	LYS		35	28.542	-1.62			89.41
ATOM	2485	C	LYS		35	29.760	1.19			64.44
ATOM	2486	0	LYS		35	30.185	0.23			37.91
ATOM	2487	N C7	LEU		36	30.485	2.31			63.16
ATOM ATOM	2488 2489	CA	LEU		36	31.841	2.33		1.00	63.09
ATOM	2499	CB CG	LEU LEU		36	32.573	3.62		1.00	65.24
ATOM	2490		LEU		36 36	32.842	3.84			68.40
ATOM	2491		LEU		36 36	31.931 34.303	4.93 4.19		1.00	66.79
ATOM	2493	CDZ	LEU		36	31.826	2.15		1.00	81.44 56.96
ATOM	2494	0	LEU		36	32.833	1.728			56.27
ATOM	2495	N	GLN		37	30.691	2.48			53.43
				-	<u> </u>	00.001	2.40	. 01.003	1.00	JJ.4J

ATOM	2496	CA	GLN	В	37	30.459	2.414	69.236	1.00 69.43	
MOTA	2497	CB	GLN	В	37	29.331	3.386	69.619	1.00 68.76	
ATOM	2498	CG	GLN		37	29.831	4.826	69.657	1.00 75.93	
ATOM	2499	CD	GLN		37	28.722	5.824	69.917	1.00 77.13	
MOTA	2500	OE1			37	27.936	6.137	69.020	1.00 87.89	
	2501	NE2	GLN		37	28.671	6.319	71.147	1.00 60.96	
ATOM									1.00 79.22	
ATOM	2502	C	GLN		37	30.117	1.006	69.706		
MOTA	2503	0	GLN		37	30.388	0.635	70.850		
ATOM	2504	N	ALA		38	29.518	0.228	68.808	1.00 83.91	
ATOM	2505	CA	ALA		38	29.154	-1.148	69.119	1.00 85.90	
MOTA	2506	CB	ALA		38	28.533	-1.809	67.896	1.00 73.44	
ATOM	2507	С	ALA	В	38	30.354	-1.952	69.612	1.00 87.80	
ATOM	2508	0	ALA		38	31.504	-1.707	69.247	1.00 77.48	
MOTA	2509	N	ASP	В	39	30.073	-2.936	70.462	1.00 88.62	
ATOM	2510	CA	ASP	В	39	31.113	-3.821	70.969	1.00 85.89	
ATOM	2511	CB	ASP	В	39	31.626	-4.719	69.837	1.00 87.42	
ATOM	2512	CG	ASP	В	39	30.689	-5.885	69.586	1.00 90.49	
ATOM	2513	OD1	ASP	В	39	30.455	-6.223	68.408	1.00 97.09	
ATOM	2514		ASP		39	30.188	-6.455	70.579	1.00 93.16	
ATOM	2515	С	ASP		39	32.267	-3.044	71.587	1.00 82.50	
ATOM	2516	0	ASP		39	33.429	-3.298	71.271	1.00 76.36	
ATOM	2517	N	SER		40	31.940	-2.102	72.465	1.00 82.73	
ATOM	2518	CA	SER		40	32.957	-1.326	73.165	1.00 79.40	
ATOM	2519	CB	SER		40	33.839	-2.246	74.009	1.00 75.80	
ATOM	2520	OG	SER		40	34.651	-3.081	73.205	1.00 54.94	
ATOM	2521	C	SER		40	33.807	-0.518	72.180	1.00 76.46	
		0			40	35.024	-0.714	72.131	1.00 64.01	
ATOM	2522		SER			33.121	0.352	71.454	1.00 73.19	
MOTA	2523	N CA	ASN		41			70.394	1.00 73.13	
ATOM	2524	CA	ASN		41	33.647	1.191			
ATOM	2525	CB	ASN		41	34.253	2.492	70.912		
MOTA	2526	CG	ASN		41	33.360	3.337	71.784	1.00 65.98	
ATOM	2527		ASN		41	32.134	3.225	71.788	1.00 77.13	
ATOM	2528		ASN		41	33.976	4.224	72.563	1.00 62.14	
MOTA	2529	С	ASN		41	34.710	0.429	69.603	1.00 74.40	
ATOM	2530	0	ASN		41	35.806	0.941	69.376	1.00 81.24	
ATOM	2531	N	TYR		42	34.393	-0.804	69.212	1.00 74.86	
MOTA	2532	CA	TYR	В	42	35.405	-1.610	68.534	1.00 74.76	
ATOM	2533	CB	TYR		42	34.880	-3.002	68.168	1.00 75.15	
ATOM	2534	CG	TYR		42	35.907	-3.795	67.386	1.00 75.66	
MOTA	2535	CD1	TYR	В	42	37.017	-4.332	68.023	1.00 78.98	
MOTA	2536	CE1	TYR	В	42	37.961	-5.054	67.316	1.00 81.79	
ATOM	2537	CZ	TYR	В	42	37.804	-5.243	65.959	1.00 81.37	
MOTA	2538	OH	TYR	В	42	38.747	-5.962	65.258	1.00 80.99	
ATOM	2539	CE2	TYR	В	42	36.713	-4.717	65.304	1.00 76.53	
MOTA	2540		TYR		42	35.775	-3.996	66.019	1.00 75.88	
ATOM	2541	С	TYR		42	35.914	-0.906	67.277	1.00 72.94	
ATOM	2542	0	TYR		42	37.119	-0.676	67.155	1.00 61.94	
ATOM	2543	N	LEU		43	35.004	-0.570	66.366	1.00 68.88	
ATOM	2544	CA	LEU		43	35.396	0.092	65.128	1.00 70.56	
ATOM	2545	CB	LEU		43	34.188	0.493	64.286	1.00 72.58	
ATOM	2546	CG	LEU		43	33.017	-0.487	64.224	1.00 76.87	
						31.993	-0.467	63.184	1.00 /0.07	
MOTA	2547	CDI	LEU	D	43	ンエ・フソン	0.000	00.104	1.00 02.71	

ATOM	2548	CD2	LEU	В	43	33.520	-1.895	63.937	1.00	77.97
ATOM	2549	С	LEU	В	43	36.248	1.336	65.417	1.00	67.14
ATOM	2550	0		В	43	37.449	1.316	65.140	1.00	50.41
ATOM	2551	N	LEU	В	44	35.580	2.345	65.951	1.00	66.03
ATOM	2552	CA	LEU	В	44	36.109	3.651	66.304	1.00	61.62
	2553	CB	LEU		44	35.238	4.313	67.375	1.00	62.58
ATOM				В	44	35.741	5.640	67.946	1.00	58.19
ATOM	2554	CG					6.622	68.088		55.67
ATOM	2555	CD1	LEU		4 4	34.587		69.276		48.14
MOTA	2556	CD2		В	4 4	36.446	5.433			
ATOM	2557	С		В	4 4	37.551	3.568	66.793	1.00	59.86
ATOM	2558	0	LEU		44	38.446	4.143	66.175	1.00	48.99
MOTA	2559	N	SER		45	37.750	2.840	67.887	1.00	
ATOM	2560	CA	SER		45	39.072	2.646	68.456	1.00	71.61
MOTA	2561	CB	SER	В	45	39.047	1.584	69.560		73.68
ATOM	2562	OG	SER	В	45	40.284	0.883	69.574	1.00	76.78
ATOM	2563	С	SER	В	45	40.089	2.224	67.396	1.00	71.36
ATOM	2564	0	SER	В	45	41.209	2.728	67 <i>.</i> 377	1.00	52.39
ATOM	2565	N	LYS	В	46	39.662	1.295	66.549	1.00	78.57
MOTA	2566	CA	LYS	В	46	40.501	0.742	65.494	1.00	84.31
ATOM	2567	СВ	LYS	В	46	39.848	-0.499	64.885	1.00	89.10
ATOM	2568	CG	LYS	В	46	40.772	-1.693	64.707	1.00	85.70
ATOM	2569	CD		В	46	40.699	-2.236	63.288		83.59
ATOM	2570	CE	LYS	В	46	41.199	-3.666	63.201		84.74
ATOM	2571	NZ	LYS	В	46	40.192	-4.641	63.706		92.84
ATOM	2572	C	LYS	В	46	40.773	1.795	64.420		81.13
	2573	0		В	46	41.920	1.966	64.005		84.85
MOTA			GLU		47	39.718	2.485	64.012		74.35
ATOM	2574	N				39.755	3.570	63.041	1.00	70.19
ATOM	2575	CA	GLU		47					66.52
ATOM	2576	CB	GLU		47	38.323	3.963	62.661		
MOTA	2577	CG	GLU		47	38.025	5.446	62.668		62.55
ATOM	2578	CD	GLU		47	36.885	5.861	61.763		59.88
ATOM	2579	OE1	GLU		47	36.350	5.017	61.015		48.61
MOTA	2580	OE2	GLU		47	36.514	7.057	61.794		47.49
MOTA	2581	С	GLU		47	40.536	4.777	63.555		65.98
ATOM	2582	0	GLU	В	47	40.806	5.729	62.818	1.00	61.94
MOTA	2583	N	TYR	В	48	40.929	4.759	64.822		59.02
MOTA	2584	CA	TYR	В	48	41.740	5.813	65.412		54.32
MOTA	2585	CB	TYR	В	48	41.164	6.221	66.766	1.00	47.04
ATOM	2586	CG	TYR	В	48	41.966	7.305	67.448		43.40
MOTA	2587	CD1	TYR	В	48	41.837	8.629	67.048	1.00	39.64
MOTA	2588	CE1	TYR	В	48	42.565	9.622	67.667	1.00	35.48
ATOM	2589	CZ	TYR	В	48	43.426	9.313	68.688	1.00	33.02
MOTA	2590	ОН	TYR		48	44.149	10.314	69.302	1.00	49.28
ATOM	2591	CE2	TYR		48	43.570	8.007	69.103		43.77
ATOM	2592	CD2			48	42.842	7.011	68.481	1.00	38.80
ATOM	2593	C	TYR		48	43.182	5.374	65.585		59.37
ATOM	2594	0	TYR		48	44.124	6.169	65.563		53.93
ATOM	2595	N	GLU		49	43.427	4.067	65.759		56.83
	2596	CA	GLU		49	44.857	3.719	65.788		52.72
ATOM					49	45.118	2.439	66.568		61.99
ATOM	2597	CB	GLU		49	46.098	2.439	67.723		66.59
ATOM	2598	CG	GLU							68.99
MOTA	2599	CD	GLU	R	49	45.724	3.661	68.723	T.00	00.77

MOTA	2600	OE1	GLU	В	49	44.737	3.486	69.468	1.00 71.09
MOTA	2601	OE2	GLU	В	49	46.424	4.699	68.778	1.00 64.67
ATOM	2602	С	GLU	В	49	45.353	3.635	64.349	1.00 43.12
MOTA	2603	0	GLU	В	49	46.539	3.492	64.069	1.00 46.58
ATOM	2604	N	GLU		50	44.424	3.733	63,404	1.00 35.51
ATOM	2605	CA	GLU		50	44.790	3.731	61.992	1.00 48.92
ATOM	2606	CB	GLU		50	43.546	3.509	61.132	1.00 55.98
				В	50	43.820	2.894	59.769	1.00 62.45
ATOM	2607	CG				42.672	3.111	58.802	1.00 02.43
ATOM	2608	CD	GLU		50				
ATOM	2609	OE1	GLU		50	42.932	3.465	57.632	1.00 97.10
MOTA	2610	OE2		В	50	41.505	2.932	59.214	1.00 90.89
MOTA	2611	С	GLU		50	45.484	5.036	61.609	1.00 51.81
MOTA	2612	0	GLU	В	50	46.447	5.031	60.840	1.00 60.14
ATOM	2613	N	LEU	В	51	44.993	6.142	62.157	1.00 45.17
ATOM	2614	CA	LEU	В	51	45.544	7.474	61.921	1.00 36.37
ATOM	2615	CB	LEU	В	51	44.599	8.527	62.511	1.00 31.85
MOTA	2616	CG	LEU	В	51	43.381	8.867	61.656	1.00 28.95
ATOM	2617	CD1	LEU	В	51	42.269	9.488	62.490	1.00 29.93
ATOM	2618	CD2	LEU	В	51	43.770	9.789	60.507	1.00 38.39
ATOM	2619	С	LEU	В	51	46.931	7.623	62.529	1.00 40.25
ATOM	2620	0	LEU	В	51	47.666	8.567	62.254	1.00 43.39
ATOM	2621	N	LYS		52	47.288	6.661	63.367	1.00 39.11
ATOM	2622	CA		В	52	48.486	6.628	64.172	1.00 41.30
ATOM	2623	СВ		В	52	48.607	5.228	64.795	1.00 38.29
ATOM	2624	CG		В	52	49.077	5.211	66.234	1.00 41.48
ATOM	2625	CD		В	52	49.745	3.871	66.543	1.00 42.51
ATOM	2626	CE		В	52	49.996	3.752	68.036	1.00 44.45
ATOM	2627	NZ	LYS		52	48.720	3.710	68.803	1.00 54.34
					52	49.776	6.939	63.433	1.00 43.04
ATOM	2628	C	LYS				7.651	63.963	1.00 43.04
ATOM	2629	0		В	52	50.637			1.00 31.42
ATOM	2630	N		В	53	49.981	6.421	62.225	
ATOM	2631	CA	ASP		53	51.272	6.646	61.580	1.00 36.34
ATOM	2632	СВ		В	53	51.714	5.388	60.823	1.00 46.86
MOTA	2633	CG	ASP		53	51.520	4.136	61.665	1.00 60.28
ATOM	2634	OD1		В	53	50.750	3.258	61.221	1.00 74.44
ATOM	2635		ASP		53	52.132	4.051	62.753	1.00 57.58
MOTA	2636	С	ASP	В	53	51.267	7.819	60.606	1.00 25.54
ATOM	2637	0		В	53	52.315	8.092	60.019	1.00 31.31
MOTA	2638	N	VAL		54	50.126	8.459	60.444	1.00 25.37
ATOM	2639	CA	VAL	В	54	50.004	9.549	59.477	1.00 28.87
ATOM	2640	CB	VAL	В	54	48.603	10.168	59.522	1.00 32.29
MOTA	2641	CG1	VAL	В	54	48.397	11.175	58.399	1.00 27.43
MOTA	2642	CG2	VAL	В	54	47.541	9.073	59.433	1.00 35.45
ATOM	2643	С	VAL	В	54	51.089	10.587	59.747	1.00 35.40
ATOM	2644	0	VAL	В	54	51.266	11.007	60.887	1.00 28.36
ATOM	2645	N	GLY		55	51.818	10.950	58.704	1.00 30.35
ATOM	2646	CA	GLY		55	52.888	11.904	58.678	1.00 26.77
ATOM	2647	C	GLY		55	54.129	11.566	59.459	1.00 31.10
ATOM	2648	0	GLY		55	54.988	12.440	59.618	1.00 28.63
ATOM	2649	N	ARG		56	54.281	10.344	59.959	1.00 31.74
ATOM	2650	CA	ARG		56	55.404	9.997	60.827	1.00 37.30
ATOM	2651	CB	ARG		56	55.077	8.697	61.573	1.00 46.87
AION	2001	CL)	סוות	L)	50	33.077	0.001	01.5/5	1.00 10.07

ATOM	2652	CG	ARG	В	56	55.107	7.449	60.705	1.00 56.15
MOTA	2653	CD	ARG	В	56	55.129	6.169	61.530	1.00 51.35
ATOM	2654	NE	ARG	В	56	56.387	5.999	62.253	1.00 46.32
ATOM	2655	CZ	ARG	В	56	56.583	5.142	63.245	1.00 43.24
MOTA	2656	NH1			56	55.595	4.357	63.646	1.00 38.49
ATOM	2657	NH2	ARG		56	57.771	5.074	63.831	1.00 37.94
ATOM	2658	C	ARG		56	56.729	9.869	60.089	1.00 44.81
	2659	0	ARG		56	57.782	9.586	60.675	1.00 33.22
MOTA					57	56.702	10.084	58.779	1.00 40.44
ATOM	2660	N	ASN			57.876		57.931	1.00 33.30
ATOM	2661	CA	ASN		57		10.023		
MOTA	2662	CB	ASN		57	57.436	9.773	56.482	1.00 44.90
MOTA	2663	CG	ASN		57	56.483	10.848	55.987	1.00 53.38
ATOM	2664		ASN		57	56.798	11.576	55.040	1.00 73.52
MOTA	2665	ND2			57	55.311	10.971	56.602	1.00 38.90
MOTA	2666	С	ASN	В	57	58.691	11.308	57.972	1.00 31.80
ATOM	2667	0	ASN	В	57	59.810	11.344	57.465	1.00 31.72
MOTA	2668	N	GLN	В	58	58.129	12.357	58.569	1.00 28.77
ATOM	2669	CA	GLN	В	58	58.736	13.681	58.549	1.00 24.41
ATOM	2670	СВ	GLN	В	58	57.611	14.729	58.466	1.00 27.17
MOTA	2671	CG	GLN	В	58	56.688	14.411	57.292	1.00 28.52
ATOM	2672	CD	GLN		58	55.494	15.335	57.233	1.00 31.70
ATOM	2673	OE1			58	55.513	16.340	56.520	1.00 30.23
ATOM	2674	NE2	GLN		58	54.460	14.991	57.992	1.00 28.20
ATOM	2675	C	GLN		58	59.621	13.965	59.743	1.00 26.40
ATOM	2676	0	GLN		58	59.307	13.588	60.865	1.00 32.07
	2677	N	SER		59	60.750	14.633	59.494	1.00 21.54
MOTA					59	61.713	14.878	60.552	1.00 25.17
MOTA	2678	CA	SER				14.784	60.000	1.00 31.63
ATOM	2679	CB	SER		59 50	63.136		59.212	1.00 43.09
ATOM	2680	OG	SER		59	63.435	15.925		
MOTA	2681	С	SER		59	61.470	16.250	61.193	1.00 29.30
ATOM	2682	0	SER		59	60.674	17.010	60.635	1.00 24.20
ATOM	2683	N	CYS		60	62.166	16.479	62.290	1.00 25.59
ATOM	2684	CA	CYS		60	62.116	17.647	63.149	1.00 30.08
MOTA	2685	CB	CYS		60	61.390	17.257	64.451	1.00 26.43
ATOM	2686	SG	CYS		60	59.647	16.884	64.130	1.00 33.04
MOTA	2687	С	CYS	В	60	63.489	18.201	63.472	1.00 33.64
MOTA	2688	0	CYS	В	60	63.790	18.632	64.592	1.00 25.31
ATOM	2689	N	ASP	В	61	64.361	18.193	62.463	1.00 23.90
ATOM	2690	CA	ASP	В	61	65.744	18.559	62.696	1.00 19.83
MOTA	2691	CB	ASP	В	61	66.538	18.374	61.392	1.00 28.21
ATOM	2692	CG	ASP		61	66.602	16.912	60.974	1.00 37.45
ATOM	2693	OD1	ASP		61	66.668	16.033	61.857	1.00 46.92
MOTA	2694		ASP		61	66.585	16.633	59.756	1.00 39.28
ATOM	2695	C	ASP		61	65.931	19.978	63.202	1.00 18.89
ATOM	2696	Ö	ASP		61	66.742	20.234	64.100	1.00 26.23
MOTA	2697	N	ILE		62	65.208	20.944	62.642	1.00 17.76
	2698	CA	ILE		62	65.463	22.312	63.098	1.00 16.77
ATOM					62	64.737	23.351	62.222	1.00 26.79
ATOM	2699	CB	ILE		62 62		23.219	60.729	1.00 20.73
MOTA	2700	CG1				65.028		60.729	1.00 30.78
ATOM	2701	CD1	ILE		62	66.350	22.561		
ATOM	2702	CG2			62	65.029	24.761	62.731	1.00 20.53
MOTA	2703	С	ILE	В	62	65.015	22.503	64.540	1.00 21.81

ATOM	2704	0	ILE	В	62	65.635	23.218	65.328	1.00 26.45
ATOM	2705	N	ALA	В	63	63.903	21.860	64.890	1.00 22.22
ATOM	2706	CA	ALA	В	63	63.421	22.042	66.267	1.00 23.49
ATOM	2707	CB	ALA	В	63	62.039	21.427	66.404	1.00 13.73
ATOM	2708	С	ALA	В	63	64.438	21.456	67.235	1.00 32.72
ATOM	2709	0	ALA		63	64.621	21.898	68.366	1.00 29.49
ATOM	2710	N	LEU	В	64	65.142	20.427	66.770	1.00 26.75
ATOM	2711	CA	LEU		64	66.097	19.704	67.590	1.00 24.87
ATOM	2712	СВ	LEU	В	64	66.248	18.272	67.035	1.00 30.01
ATOM	2713	CG	LEU		64	65.032	17.393	67.356	1.00 30.13
MOTA	2714		LEU		64	65.068	16.082	66.591	1.00 23.61
ATOM	2715		LEU		64	64.982	17.171	68.862	1.00 35.44
ATOM	2716	С	LEU		64	67.454	20.371	67.657	1.00 28.99
ATOM	2717	0	LEU		64	68.343	19.889	68.367	1.00 41.07
ATOM	2718	N	LEU		65	67.636	21.470	66.927	1.00 26.97
ATOM	2719	CA	LEU		65	68.925	22.152	66.964	1.00 25.83
MOTA	2720	CB	LEU		65	68.955	23.340	66.001	1.00 29.04
ATOM	2721	CG	LEU		65	69.017	23.002	64.513	1.00 33.55
ATOM	2722	CD1			65	68.843	24.264	63.679	1.00 36.14
MOTA	2723		LEU		65	70.327	22.301	64.180	1.00 39.25
ATOM	2724	C	LEU		65	69.234	22.654	68.373	1.00 30.40
ATOM	2725	0	LEU		65	68.329	23.174	69.021	1.00 31.08
MOTA	2726	N	PRO		66	70.470	22.487	68.809	1.00 33.09
	2727	CA	PRO		66	70.935	22.972	70.112	1.00 41.49
ATOM		CB	PRO		66	72.456	23.052	69.889	1.00 43.28
ATOM	2728 2729	СБ	PRO		66	72.722	21.860	69.020	1.00 38.43
MOTA		CD	PRO		66	71.543	21.766	68.091	1.00 35.99
ATOM	2730	С	PRO		66	70.390	24.336	70.511	1.00 44.08
MOTA	2731		PRO		66	69.735	24.330	71.557	1.00 50.98
ATOM	2732	0				70.636	25.375	69.722	1.00 35.08
ATOM	2733	N	GLU		67 67	70.246	26.724	70.105	1.00 39.35
ATOM	2734	CA	GLU			70.240	27.730	69.068	1.00 33.33
ATOM	2735	CB	GLU		67			67.732	1.00 52.87
ATOM	2736	CG	GLU		67	71.059	27.062	66.555	1.00 59.99
ATOM	2737	CD	GLU		67	70.712	27.954		1.00 78.27
ATOM	2738	OE1	GLU		67	71.040	29.158	66.611	
ATOM	2739	OE2	GLU		67	70.119	27.433	65.586	1.00 46.11 1.00 38.16
MOTA	2740	C	GLU		67	68.744	26.916	70.246	
ATOM	2741	0	GLU		67	68.327	27.971	70.736	1.00 36.75
ATOM	2742	N	ASN		68	67.935	25.950	69.821	1.00 29.98
MOTA	2743	CA	ASN		68	66.493	26.069	69.927	1.00 24.34
ATOM	2744	CB	ASN		68	65.775	25.589	68.662	1.00 22.49
ATOM	2745	CG	ASN		68	66.037	26.469	67.459	1.00 23.36
MOTA	2746		ASN		68	66.205	27.674	67.613	1.00 24.40
ATOM	2747		ASN		68	66.092	25.871	66.273	1.00 19.47
ATOM	2748	С	ASN		68	65.957	25.255	71.100	1.00 28.35
MOTA	2749	0	ASN		68	64.733	25.161	71.233	1.00 31.84
MOTA	2750	N	ARG		69	66.821	24.667	71.924	1.00 28.07
ATOM	2751	CA	ARG		69	66.284	23.759	72.950	1.00 39.17
MOTA	2752	CB	ARG		69	67.429	23.142	73.757	1.00 53.87
ATOM	2753	CG	ARG		69	66.997	22.065	74.739	1.00 67.65
ATOM	2754	CD	ARG		69	68.095	21.761	75.748	1.00 84.00
MOTA	2755	NE	ARG	В	69	67.751	22.204	77.096	1.00 97.13

MOTA	2756	CZ	ARG	В	69	68.057	21.573	78.220	1.00102.06
MOTA	2757	NH1	ARG	В	69	68.733	20.432	78.192	1.00107.87
ATOM	2758	NH2	ARG	В	69	67.686	22.083	79.390	1.00 97.89
ATOM	2759	С	ARG	В	69	65.290	24.445	73.877	1.00 34.20
MOTA	2760	0	ARG	В	69	64.217	23.908	74.184	1.00 35.41
ATOM	2761	N	GLY	В	70	65.616	25.659	74.328	1.00 21.83
ATOM	2762	CA	GLY		70	64.720	26.300	75.284	1.00 24.46
MOTA	2763	C	GLY		70	63.455	26.843	74.655	1.00 27.71
ATOM	2764	0	GLY		70	62.569	27.348	75.354	1.00 27.30
	2765	N	LYS		71	63.327	26.770	73.329	1.00 24.69
ATOM	2766	CA	LYS		71	62.166	27.353	72.655	1.00 22.38
MOTA					71	62.587	27.893	71.274	1.00 24.49
ATOM	2767	CB	LYS			63.764	28.870	71.323	1.00 24.45
ATOM	2768	CG	LYS		71				
MOTA	2769	CD	LYS		71	64.184	29.275	69.921	1.00 23.88
ATOM	2770	CE	LYS		71	65.345	30.261	69.951	1.00 28.97
MOTA	2771	NZ	LYS		71	66.081	30.241	68.653	1.00 31.46
MOTA	2772	С	LYS		71	61.010	26.379	72.521	1.00 17.66
ATOM	2773	0	LYS		71	59.934	26.726	72.014	1.00 18.84
ATOM	2774	N	ASN		72	61.211	25.140	72.984	1.00 15.08
MOTA	2775	CA	ASN	В	72	60.162	24.136	72.990	1.00 14.64
MOTA	2776	CB	ASN	В	72	60.706	22.823	72.400	1.00 18.63
MOTA	2777	CG	ASN	В	72	61.196	23.022	70.977	1.00 21.72
ATOM	2778	OD1	ASN	В	72	60.464	23.572	70.157	1.00 19.84
ATOM	2779	ND2	ASN	В	72	62.409	22.607	70.663	1.00 16.01
ATOM	2780	С	ASN	В	72	59.640	23.891	74.408	1.00 14.08
ATOM	2781	0	ASN		72	60.429	23.667	75.324	1.00 19.73
ATOM	2782	N	ARG		73	58.334	23.951	74.601	1.00 15.40
ATOM	2783	CA	ARG		73	57.720	23.714	75.893	1.00 23.30
ATOM	2784	СВ	ARG		73	56.221	23.993	75.832	1.00 17.66
ATOM	2785	CG	ARG		73	55.551	23.888	77.187	1.00 14.92
ATOM	2786	CD	ARG		73	54.140	24.412	77.108	1.00 14.81
ATOM	2787	NE	ARG		73	54.131	25.882	77.110	1.00 17.20
ATOM	2788	CZ	ARG		73	54.259	26.568	78.241	1.00 22.34
MOTA	2789	NH1	ARG		73	54.403	25.967	79.421	1.00 13.10
ATOM	2790	NH2	ARG		73	54.229	27.883	78.127	1.00 19.63
ATOM	2791	C	ARG		73	57.917	22.253	76.319	1.00 28.40
	2792	0	ARG		73	58.144	21.962	77.484	1.00 19.38
MOTA			TYR		74	57.810	21.302	75.335	1.00 22.53
ATOM	2793	N Cn	TYR		74	57.810	19.925	75.513	1.00 22.33
ATOM	2794	CA				56.580		75.323	1.00 10.28
ATOM	2795	CB	TYR		74		19.271	76.176	
ATOM	2796	CG	TYR		74	55.438	19.771		1.00 19.80
ATOM	2797	CD1	TYR		74	55.345	19.402	77.515	1.00 21.42
MOTA	2798	CE1			74	54.301	19.844	78.304	1.00 21.50
ATOM	2799	CZ	TYR		74	53.324	20.663	77.785	1.00 18.77
MOTA	2800	ОН	TYR		74	52.288	21.098	78.587	1.00 23.74
MOTA	2801	CE2	TYR		74	53.379	21.045	76.460	1.00 12.51
ATOM	2802	CD2	TYR		74	54.439	20.586	75.681	1.00 13.12
MOTA	2803	C	TYR		74	58.958	19.399	74.521	1.00 22.96
MOTA	2804	0	TYR	В	74	58.901	19.662	73.319	1.00 22.52
ATOM	2805	N	ASN	В	75	59.951	18.640	74.966	1.00 26.45
ATOM	2806	CA	ASN	В	75	61.042	18.268	74.058	1.00 23.82
ATOM	2807	CB	ASN	В	75	62.205	17.736	74.904	1.00 32.86

ATOM 2808 CG ASN B 75 62.817 18.860 75.726 1.00 45.64 ATOM 2810 ND2 ASN B 75 63.098 18.687 76.911 1.00 76.63 ATOM 2811 C ASN B 75 63.024 20.023 75.113 1.00 56.37 ATOM 2812 O ASN B 75 660.615 17.280 72.990 1.00 17.41 ATOM 2813 N ASN B 75 661.316 17.091 71.993 1.00 28.73 ATOM 2813 N ASN B 75 661.316 17.091 71.993 1.00 28.73 ATOM 2813 C ASN B 75 661.316 17.091 71.993 1.00 28.73 ATOM 2815 CB ASN B 76 58.985 15.644 72.207 1.00 30.85 ATOM 2816 CG ASN B 76 58.985 15.644 72.207 1.00 30.85 ATOM 2816 CG ASN B 76 58.807 14.310 72.941 1.00 30.85 ATOM 2817 ODI ASN B 76 57.687 14.310 72.941 1.00 30.85 ATOM 2818 ND2 ASN B 76 57.687 14.310 72.941 1.00 30.85 ATOM 2819 C ASN B 76 57.697 14.310 72.941 1.00 30.85 ATOM 2819 C ASN B 76 57.695 16.072 71.529 1.00 27.58 ATOM 2819 C ASN B 76 57.695 16.072 71.529 1.00 27.58 ATOM 2820 O ASN B 76 56.956 15.286 71.002 1.00 20.65 ATOM 2821 N ILE B 77 56.355 17.899 70.728 1.00 21.12 ATOM 2822 CA ILE B 77 55.451 18.381 71.519 1.00 18.13 ATOM 2823 CB ILE B 77 55.451 18.381 71.519 1.00 18.13 ATOM 2824 CGI ILE B 77 55.451 18.391 71.519 1.00 18.13 ATOM 2825 CDI ILE B 77 55.691 18.928 70.552 1.00 17.41 ATOM 2826 CG2 ILE B 77 55.691 28.928 70.552 1.00 17.41 ATOM 2827 C ILE B 77 55.691 18.928 70.552 1.00 17.41 ATOM 2828 N ILE B 77 56.991 20.175 70.348 1.00 17.91 ATOM 2830 CA LEU B 78 56.994 20.175 70.348 1.00 17.91 ATOM 2831 CB LEU B 78 56.994 20.175 70.348 1.00 17.91 ATOM 2832 CG LEU B 78 56.994 20.175 70.348 1.00 17.91 ATOM 2833 CD LEU B 78 56.994 20.175 70.348 1.00 17.91 ATOM 2834 CD LEU B 78 56.994 20.175 70.348 1.00 17.91 ATOM 2836 C LEU B 78 56.994 20.175 70.348 1.00 17.91 ATOM 2837 N PRO B 79 55.995 20.108 66.409 1.00 18.42 ATOM 2838 CB LEU B 78 56.994 20.175 70.348 1.00 17.91 ATOM 2839 CG LEU B 78 56.994 20.175 70.346 60.091 1.00 18.65 ATOM 2836 CG LEU B 78 56.994 20.175 70.346 60.091 1.00 18.65 ATOM 2837 N PRO B 79 55.995 20.108 66.990 1.00 19.55 ATOM 2838 CB PRO B 79 55.995 20.108 66.990 1.00 19.55 ATOM 2840 CD TYR B 80 56.497 19.500 62.352 1.00 16.10 ATOM 2851 CD TYR B 80 56.497 19.500 62.											
ATOM 2810 ND2 ASN B 75 63.024 20.023 75.113 1.00 56.37 ATOM 2811 C ASN B 75 60.615 17.280 72.990 1.00 17.41 ATOM 2812 O ASN B 75 60.615 17.280 72.990 1.00 27.41 ATOM 2813 N ASN B 76 59.458 16.656 73.144 1.00 23.38 ATOM 2815 CB ASN B 76 59.458 16.656 73.144 1.00 23.38 ATOM 2815 CB ASN B 76 58.985 15.644 72.207 1.00 29.72 ATOM 2816 CG ASN B 76 58.8807 14.310 72.941 1.00 30.87 ATOM 2816 CG ASN B 76 57.687 14.310 72.941 1.00 30.87 ATOM 2818 ND2 ASN B 76 57.687 14.310 72.941 1.00 30.87 ATOM 2818 ND2 ASN B 76 57.687 14.310 72.941 1.00 30.87 ATOM 2818 ND2 ASN B 76 57.687 14.310 72.941 1.00 30.87 ATOM 2819 C ASN B 76 57.687 15.050 74.472 1.00 30.87 ATOM 2819 C ASN B 76 57.687 16.072 71.529 1.00 27.58 ATOM 2819 C ASN B 76 56.960 15.286 71.002 1.00 20.652 ATOM 2820 O ASN B 76 56.950 15.286 71.002 1.00 20.45 ATOM 2821 N ILE B 77 56.355 17.394 71.539 1.00 21.12 ATOM 2822 CA ILE B 77 56.355 17.899 70.728 1.00 21.78 ATOM 2823 CB ILE B 77 55.141 18.381 71.519 1.00 18.13 ATOM 2825 CDI ILE B 77 53.650 16.337 71.722 1.00 23.88 ATOM 2826 CG2 ILE B 77 54.513 17.334 72.446 1.00 20.08 ATOM 2825 CDI ILE B 77 53.650 16.337 71.722 1.00 23.88 ATOM 2826 CG2 ILE B 77 56.991 91.048 69.880 1.00 21.40 ATOM 2828 N ILE B 77 56.991 91.048 69.880 1.00 16.50 ATOM 2829 N ILE B 77 56.991 91.048 69.880 1.00 17.41 ATOM 2828 N ILE B 77 56.991 91.048 69.880 1.00 12.40 ATOM 2831 CB LEU B 78 59.555 19.235 67.683 10.00 19.22 ATOM 2831 CB LEU B 78 59.555 19.235 67.683 10.00 19.22 ATOM 2831 CB LEU B 78 59.555 19.235 67.683 10.00 19.22 ATOM 2832 CG LEU B 78 59.555 19.235 67.683 10.00 19.22 ATOM 2834 CD LEU B 78 60.190 18.70 69.990 1.00 18.54 ATOM 2834 CD LEU B 78 59.555 19.235 67.683 10.00 19.22 ATOM 2834 CD LEU B 78 60.190 18.70 69.990 1.00 18.54 ATOM 2836 C LEU B 78 60.190 18.70 69.990 1.00 18.54 ATOM 2835 CD LEU B 78 60.190 18.70 69.990 1.00 18.54 ATOM 2836 C LEU B 78 56.991 20.00 66.990 1.00 18.54 ATOM 2836 C LEU B 78 60.190 18.70 69.990 1.00 18.54 ATOM 2836 C LEU B 78 56.991 20.00 66.990 1.00 18.54 ATOM 2836 C LEU B 78 60.591 20.00 66.990 1.00 18.50 ATO	ATOM	2808	CG	ASN	В	75	62.817	18.860	75.726	1.00	45.64
ATOM 2811 C ASN B 75 60.615 17.280 72.990 1.00 17.41 ATOM 2812 O ASN B 75 61.316 17.091 71.993 1.00 28.78 ATOM 2813 N ASN B 76 59.458 16.656 73.144 1.00 23.38 ATOM 2814 CA ASN B 76 59.458 16.656 73.144 1.00 23.38 ATOM 2816 CG ASN B 76 58.807 14.310 72.941 1.00 29.72 ATOM 2816 CG ASN B 76 57.687 14.310 73.956 1.00 30.87 ATOM 2817 OD1 ASN B 76 57.687 14.310 73.956 1.00 32.40 ATOM 2818 ND2 ASN B 76 57.687 14.310 73.956 1.00 32.40 ATOM 2819 C ASN B 76 57.182 13.123 74.264 1.00 26.58 ATOM 2819 C ASN B 76 57.182 13.123 74.264 1.00 26.64 ATOM 2820 O ASN B 76 57.182 13.123 74.264 1.00 26.64 ATOM 2821 N ILE B 77 56.455 16.072 71.529 1.00 27.58 ATOM 2822 CA ILE B 77 56.455 17.399 70.728 1.00 21.78 ATOM 2823 CB ILE B 77 55.141 18.381 71.519 1.00 18.13 ATOM 2824 CG1 ILE B 77 54.151 17.394 71.539 1.00 21.78 ATOM 2824 CG1 ILE B 77 54.151 17.394 72.446 1.00 26.64 ATOM 2825 CD1 ILE B 77 54.151 17.394 72.446 1.00 26.64 ATOM 2828 O ILE B 77 54.151 17.394 72.446 1.00 20.0 3.88 ATOM 2828 O ILE B 77 54.151 17.394 72.446 1.00 20.0 3.88 ATOM 2828 O ILE B 77 54.151 17.394 72.446 1.00 20.0 3.80 ATOM 2828 O ILE B 77 56.994 20.175 70.348 1.00 17.41 ATOM 2828 O ILE B 77 56.994 20.175 70.348 1.00 17.41 ATOM 2828 O ILE B 77 56.994 20.175 70.348 1.00 17.41 ATOM 2828 O ILE B 77 56.994 20.175 70.348 1.00 17.41 ATOM 2830 CA LEU B 78 57.354 18.703 68.662 1.00 17.91 ATOM 2831 CB LEU B 78 57.354 18.703 68.662 1.00 17.91 ATOM 2831 CB LEU B 78 57.354 18.703 68.662 1.00 17.91 ATOM 2832 CG LEU B 78 60.591 19.046 69.800 1.00 24.55 ATOM 2833 CD1 LEU B 78 60.591 19.046 69.800 1.00 24.55 ATOM 2834 CD2 LEU B 78 60.591 19.046 69.800 1.00 24.55 ATOM 2834 CD2 LEU B 78 60.591 19.046 69.800 1.00 24.55 ATOM 2835 CD LEU B 78 60.591 19.046 69.800 1.00 25.60 ATOM 2836 CD LEU B 78 60.591 19.046 69.903 1.00 19.22 ATOM 2836 CD LEU B 78 60.591 19.046 69.903 1.00 19.22 ATOM 2836 CD EU B 78 60.591 19.00 18.709 10.00 20.55 ATOM 2837 N PRO B 79 57.591 20.731 63.591 1.00 11.53 ATOM 2840 N TYR B 80 56.815 18.637 65.968 1.00 10.10 15.94 ATOM 2840 CD PRO B 79 55.899 20.10 66.6	MOTA	2809	OD1	ASN	В	75	63.098	18.687	76.911	1.00	76.89
ATOM 2811 C ASN B 75 66.615 17.280 72.990 1.00 17.41 ATOM 2813 N ASN B 75 66.316 17.091 71.993 1.00 28.78 ATOM 2813 N ASN B 76 59.458 16.656 73.144 1.00 23.38 ATOM 2816 CA ASN B 76 58.895 15.644 72.207 1.00 29.72 ATOM 2816 CG ASN B 76 58.807 14.310 72.941 1.00 30.87 ATOM 2816 CG ASN B 76 57.687 14.310 72.941 1.00 30.85 ATOM 2817 OD1 ASN B 76 57.263 15.350 74.472 1.00 30.85 ATOM 2819 C ASN B 76 57.263 15.350 74.472 1.00 30.85 ATOM 2819 C ASN B 76 57.695 16.072 71.529 1.00 27.58 ATOM 2820 O ASN B 76 57.695 16.072 71.529 1.00 27.58 ATOM 2821 N LE B 77 56.905 16.072 71.529 1.00 27.58 ATOM 2822 CA ILE B 77 55.495 17.394 71.539 1.00 21.78 ATOM 2823 CB ILE B 77 55.495 17.394 71.539 1.00 21.78 ATOM 2823 CB ILE B 77 55.141 18.381 71.519 1.00 18.13 ATOM 2825 CD ILE B 77 54.151 17.334 72.446 1.00 26.54 ATOM 2826 CG ILE B 77 54.151 17.334 72.446 1.00 26.04 ATOM 2827 C ILE B 77 54.151 17.334 72.446 1.00 20.07 ATOM 2828 O ILE B 77 55.941 18.381 71.529 1.00 17.41 ATOM 2828 O ILE B 77 55.941 18.381 71.529 1.00 17.41 ATOM 2828 O ILE B 77 56.991 19.048 69.880 1.00 21.78 ATOM 2828 O ILE B 77 56.994 20.175 70.348 1.00 17.41 ATOM 2828 O ILE B 78 56.994 20.175 70.348 1.00 17.91 ATOM 2830 CA LEU B 78 57.354 18.703 68.662 1.00 17.91 ATOM 2831 CB LEU B 78 56.994 20.175 70.348 1.00 17.91 ATOM 2833 CD LEU B 78 60.591 19.861 69.903 1.00 24.62 ATOM 2833 CD LEU B 78 60.591 19.861 69.903 1.00 24.35 ATOM 2833 CD LEU B 78 60.591 19.861 69.903 1.00 24.35 ATOM 2834 CD LEU B 78 60.591 19.861 69.903 1.00 24.35 ATOM 2834 CD LEU B 78 60.591 19.861 69.903 1.00 24.35 ATOM 2835 CD LEU B 78 60.591 19.861 66.409 1.00 18.70 19.22 ATOM 2834 CD LEU B 78 60.591 19.861 69.903 1.00 19.22 ATOM 2834 CD LEU B 78 60.591 19.861 69.903 1.00 20.55 ATOM 2834 CD LEU B 78 60.591 19.861 69.903 1.00 19.22 ATOM 2835 CD EU B 78 60.591 19.861 69.903 1.00 19.22 ATOM 2835 CD EU B 78 60.591 20.344 64.119 1.00 13.66 ATOM 2840 CD PRO B 79 55.751 20.344 66.121 1.00 13.66 ATOM 2841 CD PRO B 79 55.898 20.131 63.351 1.00 11.53 ATOM 2844 N TYR B 80 56.831 19.801 59.901 1.00 19.22 ATOM	ATOM	2810	ND2	ASN	В	75	63.024	20.023	75.113	1.00	56.37
ATOM 2812 O ASN B 75 59.458 16.656 73.144 1.00 23.38 ATOM 2814 CA ASN B 76 59.458 16.656 73.144 1.00 23.38 ATOM 2815 CB ASN B 76 58.985 15.644 72.207 1.00 29.72 ATOM 2816 CG ASN B 76 58.887 14.310 72.941 1.00 30.87 ATOM 2816 CG ASN B 76 57.687 14.310 72.941 1.00 30.85 ATOM 2817 ODI ASN B 76 57.263 15.350 74.472 1.00 30.85 ATOM 2818 ND2 ASN B 76 57.263 15.350 74.472 1.00 30.85 ATOM 2818 ND2 ASN B 76 57.263 15.350 74.472 1.00 26.52 ATOM 2818 ND2 ASN B 76 57.695 16.072 71.529 1.00 27.58 ATOM 2821 N ILE B 77 56.906 15.286 71.002 1.00 26.64 ATOM 2821 N ILE B 77 56.355 17.899 70.728 1.00 21.12 ATOM 2822 CA ILE B 77 56.355 17.899 70.728 1.00 21.12 ATOM 2823 CB ILE B 77 55.141 18.381 71.519 1.00 18.13 ATOM 2824 CGI ILE B 77 55.457 17.394 71.529 1.00 20.08 ATOM 2826 CG ILE B 77 55.141 18.381 71.519 1.00 20.08 ATOM 2827 C ILE B 77 54.513 17.334 72.446 1.00 20.08 ATOM 2828 O ILE B 77 54.513 17.334 72.446 1.00 20.08 ATOM 2829 N LEU B 78 53.650 16.337 71.722 1.00 23.88 ATOM 2827 C ILE B 77 54.103 18.928 70.552 1.00 21.42 ATOM 2828 O ILE B 77 56.919 19.048 69.880 1.00 21.40 ATOM 2829 N LEU B 78 57.354 18.703 68.682 1.00 17.91 ATOM 2830 CA LEU B 78 58.074 19.610 67.792 1.00 16.51 ATOM 2831 CB LEU B 78 59.558 19.255 67.683 1.00 19.22 ATOM 2832 CG LEU B 78 60.190 18.709 68.980 1.00 24.15 ATOM 2833 CDI LEU B 78 59.558 19.255 67.683 1.00 19.22 ATOM 2833 CDI LEU B 78 60.190 18.709 68.980 1.00 24.35 ATOM 2836 O LEU B 78 60.571 19.861 69.993 1.00 24.35 ATOM 2837 N PRO B 79 57.435 19.608 66.409 1.00 19.22 ATOM 2838 CD LEU B 78 60.571 19.861 69.993 1.00 24.35 ATOM 2839 CB PRO B 79 57.838 20.131 63.551 1.00 115.94 ATOM 2830 CC PRO B 79 57.838 20.131 63.551 1.00 115.94 ATOM 2831 CD LEU B 78 60.571 19.861 69.993 1.00 24.35 ATOM 2832 CG LEU B 78 60.571 19.861 69.993 1.00 24.35 ATOM 2834 CD LEU B 78 60.571 19.861 69.993 1.00 24.35 ATOM 2836 O LEU B 78 60.571 19.861 69.993 1.00 24.35 ATOM 2837 N PRO B 79 57.435 19.608 66.409 1.00 19.22 ATOM 2836 O LEU B 78 60.571 19.861 69.993 1.00 18.92 ATOM 2837 C T LEU B 79 55.683 1.00 60.393 1.00 19.09							60.615	17.280	72.990	1.00	17.41
ATOM 2813 N ASN B 76 59.458 16.656 73.144 1.00 23.38 ATOM 2814 CA ASN B 76 58.985 15.644 72.207 1.00 29.72 ATOM 2815 CB ASN B 76 58.985 15.644 72.207 1.00 29.72 ATOM 2816 CG ASN B 76 58.807 14.310 72.941 1.00 30.87 ATOM 2817 ODI ASN B 76 57.687 14.310 73.956 1.00 32.40 ATOM 2817 ODI ASN B 76 57.687 14.316 73.956 1.00 32.40 ATOM 2818 NDZ ASN B 76 57.263 15.350 74.472 1.00 30.85 ATOM 2819 C ASN B 76 57.695 16.072 71.529 1.00 26.52 ATOM 2819 C ASN B 76 57.695 16.072 71.529 1.00 27.58 ATOM 2820 O ASN B 76 56.906 15.286 71.002 1.00 20.64 ATOM 2821 N ILE B 77 57.457 17.394 71.539 1.00 21.12 ATOM 2822 CA ILE B 77 56.355 17.899 70.728 1.00 21.12 ATOM 2822 CG ILE B 77 55.451 18.381 71.519 1.00 18.13 ATOM 2824 CGI ILE B 77 55.451 18.381 71.519 1.00 21.08 ATOM 2825 CDI ILE B 77 54.513 17.334 72.446 1.00 20.08 ATOM 2826 CG2 ILE B 77 54.513 17.334 72.446 1.00 20.08 ATOM 2827 C ILE B 77 56.994 20.175 70.348 1.00 17.41 ATOM 2828 O ILE B 77 56.994 20.175 70.348 1.00 16.51 ATOM 2828 O ILE B 77 56.994 20.175 70.348 1.00 16.51 ATOM 2828 O ILE B 78 57.554 18.073 68.682 1.00 17.91 ATOM 2830 CA LEU B 78 57.554 18.079 69.980 1.00 24.19 ATOM 2831 CB LEU B 78 57.554 18.079 69.980 1.00 24.19 ATOM 2831 CB LEU B 78 59.556 19.235 67.683 1.00 19.22 ATOM 2832 CG LEU B 78 60.575 19.861 69.903 1.00 24.19 ATOM 2833 CD1 LEU B 78 59.556 19.235 67.683 1.00 19.22 ATOM 2834 CD2 LEU B 78 60.575 19.861 69.903 1.00 24.19 ATOM 2838 CD LEU B 78 60.575 19.861 69.903 1.00 24.19 ATOM 2838 CD LEU B 78 60.575 19.861 69.903 1.00 24.19 ATOM 2838 CD LEU B 78 60.575 19.861 69.903 1.00 24.19 ATOM 2837 CD LEU B 78 60.575 19.861 69.903 1.00 24.19 ATOM 2838 CD LEU B 78 60.575 19.861 69.903 1.00 24.19 ATOM 2836 CD LEU B 78 60.575 19.861 69.903 1.00 24.19 ATOM 2836 CD LEU B 78 60.575 19.861 69.903 1.00 24.19 ATOM 2836 CD LEU B 78 60.575 19.861 69.903 1.00 24.19 ATOM 2836 CD LEU B 79 57.571 20.731 65.709 1.00 10.594 ATOM 2840 CD PRO B 79 57.833 20.131 63.351 1.00 11.594 ATOM 2841 CD PRO B 79 57.831 19.801 60.257 1.00 11.594 ATOM 2842 CD PRO B 79 57.831 19.801 60.257 1.0								17,091		1.00	28.78
ATOM 2814 CA ASN B 76 58.985 15.644 72.207 1.00 29.72 ATOM 2815 CB ASN B 76 58.807 14.310 72.941 1.00 30.87 ATOM 2816 CG ASN B 76 58.807 14.310 72.941 1.00 30.87 ATOM 2817 OD1 ASN B 76 57.687 14.310 72.941 1.00 30.87 ATOM 2818 ND2 ASN B 76 57.687 14.310 72.941 1.00 30.85 ATOM 2818 ND2 ASN B 76 57.687 14.310 74.264 1.00 26.52 ATOM 2819 C ASN B 76 57.687 13.323 74.264 1.00 26.52 ATOM 2820 O ASN B 76 56.906 15.286 71.002 1.00 20.64 ATOM 2821 N ILE B 77 56.95 16.072 71.529 1.00 27.58 ATOM 2822 CA LIE B 77 56.355 17.899 70.728 1.00 21.72 ATOM 2823 CB ILE B 77 56.355 17.899 70.728 1.00 21.73 ATOM 2824 CG1 ILE B 77 54.513 17.334 72.446 1.00 82.08 ATOM 2825 CD1 ILE B 77 54.513 17.334 72.446 1.00 20.08 ATOM 2826 CG2 ILE B 77 54.513 17.334 72.446 1.00 20.08 ATOM 2827 C ILE B 77 54.513 17.334 72.446 1.00 20.08 ATOM 2828 O ILE B 77 54.513 17.334 72.446 1.00 20.08 ATOM 2826 CG2 ILE B 77 54.505 141 18.381 71.519 1.00 18.13 ATOM 2827 C ILE B 77 54.103 18.928 70.552 1.00 17.41 ATOM 2828 O ILE B 77 56.919 19.048 69.880 1.00 21.40 ATOM 2828 O ILE B 77 56.994 20.175 70.348 1.00 16.51 ATOM 2830 CA LEU B 78 59.558 19.235 67.683 1.00 17.91 ATOM 2831 CB LEU B 78 59.558 19.235 67.683 1.00 19.22 ATOM 2832 CG LEU B 78 60.190 18.709 68.980 1.00 24.19 ATOM 2834 CD2 LEU B 78 60.571 19.861 69.903 1.00 24.03 ATOM 2835 C LEU B 78 60.571 19.861 69.903 1.00 24.03 ATOM 2837 N PRO B 79 57.571 20.731 65.709 1.00 18.54 ATOM 2838 CA PRO B 79 57.571 20.731 65.709 1.00 18.54 ATOM 2838 CA PRO B 79 57.571 20.731 65.709 1.00 18.54 ATOM 2838 CA PRO B 79 57.571 20.731 65.709 1.00 18.54 ATOM 2838 CA PRO B 79 57.571 20.731 65.709 1.00 18.54 ATOM 2838 CA PRO B 79 57.571 20.731 65.709 1.00 18.54 ATOM 2834 CD2 LEU B 78 60.571 19.861 69.903 1.00 25.60 ATOM 2834 CD2 LEU B 78 60.571 19.861 69.903 1.00 25.60 ATOM 2834 CD2 LEU B 78 60.571 19.861 69.903 1.00 25.60 ATOM 2836 CA PRO B 79 57.572 20.731 65.709 1.00 19.15 ATOM 2843 O PRO B 79 57.571 20.731 65.709 1.00 19.15 ATOM 2844 N TYR B 80 56.841 19.570 62.352 1.00 16.10 ATOM 2845 CA TYR B 80 56.831 19.801 59.961 1.0											
ATOM 2815 CB ASN B 76 58.807 14.310 72.941 1.00 30.87 ATOM 2816 CG ASN B 76 57.687 14.316 73.956 1.00 32.40 32.40 2818 ND2 ASN B 76 57.687 14.316 73.956 1.00 32.40 30.85 ATOM 2819 C ASN B 76 57.182 13.123 74.264 1.00 26.52 ATOM 2819 C ASN B 76 57.695 16.072 71.529 1.00 27.58 ATOM 2820 O ASN B 76 57.695 16.072 71.529 1.00 27.58 ATOM 2821 N ILE B 77 57.457 17.394 71.539 1.00 21.12 ATOM 2822 CA ILE B 77 56.355 17.899 70.728 1.00 21.12 ATOM 2823 CB ILE B 77 56.355 17.899 70.728 1.00 21.13 ATOM 2824 CG1 ILE B 77 54.511 18.818 71.519 1.00 18.13 ATOM 2825 CD1 ILE B 77 54.511 18.818 71.519 1.00 18.13 ATOM 2825 CD1 ILE B 77 54.513 17.334 72.446 1.00 20.08 ATOM 2826 CG2 ILE B 77 54.513 17.334 72.446 1.00 20.08 ATOM 2827 C ILE B 77 56.991 19.048 69.880 1.00 21.40 ATOM 2828 O ILE B 77 56.991 19.048 69.880 1.00 21.40 ATOM 2828 O ILE B 77 56.994 20.175 70.348 1.00 16.51 ATOM 2828 O ILE B 77 56.994 20.175 70.348 1.00 16.51 ATOM 2831 CB LEU B 78 57.354 18.703 68.682 1.00 17.91 ATOM 2831 CB LEU B 78 57.354 18.703 68.682 1.00 17.91 ATOM 2833 CD LEU B 78 57.354 18.703 68.682 1.00 17.91 ATOM 2833 CD LEU B 78 59.558 19.235 67.683 1.00 19.22 ATOM 2833 CD LEU B 78 60.190 18.709 68.980 1.00 24.19 ATOM 2833 CD LEU B 78 60.571 19.861 69.903 1.00 24.19 ATOM 2833 CD LEU B 78 60.571 19.861 69.903 1.00 24.19 ATOM 2834 CD2 LEU B 78 60.571 19.861 69.903 1.00 24.19 ATOM 2834 CD2 LEU B 78 60.571 19.861 69.903 1.00 24.35 ATOM 2837 N PRO B 79 57.571 20.731 65.709 1.00 19.22 ATOM 2839 CB PRO B 79 57.571 20.731 65.709 1.00 19.22 ATOM 2839 CB PRO B 79 57.833 20.184 66.409 1.00 19.52 ATOM 2842 C PRO B 79 57.883 20.131 63.351 1.00 11.53 ATOM 2843 O PRO B 79 57.883 20.131 63.351 1.00 11.53 ATOM 2843 CD PRO B 79 57.883 20.131 63.351 1.00 11.50 ATOM 2844 N TYR B 80 56.831 1.30.50 19.50 19.50 19.50 ATOM 2845 CD PRO B 79 57.883 20.131 63.351 1.00 19.21 ATOM 2846 CD PRO B 79 57.883 18.398 61.898 61.899 1.00 19.25 ATOM 2847 CG TYR B 80 56.891 1.12 10.00 19.59 ATOM 2846 CD PRO B 79 57.881 18.998 61.895 1.00 19.59 ATOM 2847 CG TYR B 80 56.891 1.12 10.00 19.50											
ATOM 2816 CG ASN B 76											
ATOM 2817 OD1 ASN B 76											
ATOM 2819 ND2 ASN B 76											
ATOM 2819 C ASN B 76											
ATOM 2820 O ASN B 76											
ATOM 2821 N ILE B 77											
ATOM 2822 CA ILE B 77											
ATOM 2823 CB ILE B 77											
ATOM 2824 CG1 ILE B 77	ATOM				В						
ATOM 2825 CD1 ILE B 77	ATOM	2823									
ATOM 2826 CG2 ILE B 77 54.103 18.928 70.552 1.00 17.41 ATOM 2827 C ILE B 77 56.919 19.048 69.880 1.00 21.40 ATOM 2828 O ILE B 77 56.919 19.048 69.880 1.00 21.40 ATOM 2829 N LEU B 78 56.994 20.175 70.348 1.00 16.51 ATOM 2830 CA LEU B 78 58.074 19.610 67.792 1.00 14.62 ATOM 2831 CB LEU B 78 59.558 19.235 67.683 1.00 19.22 ATOM 2832 CG LEU B 78 60.190 18.709 68.980 1.00 24.19 ATOM 2833 CD1 LEU B 78 60.571 19.861 69.903 1.00 24.35 ATOM 2834 CD2 LEU B 78 60.571 19.861 69.903 1.00 24.35 ATOM 2835 C LEU B 78 60.571 19.861 69.903 1.00 24.35 ATOM 2837 N PRO B 79 57.571 20.731 65.709 1.00 20.82 ATOM 2838 CA PRO B 79 57.571 20.731 65.709 1.00 20.82 ATOM 2839 CB PRO B 79 57.039 22.345 64.119 1.00 19.22 ATOM 2841 CD PRO B 79 58.250 22.790 64.870 1.00 19.22 ATOM 2842 C PRO B 79 57.883 20.131 63.351 1.00 11.53 ATOM 2844 N TYR B 80 57.883 20.131 63.351 1.00 19.21 ATOM 2844 N TYR B 80 56.882 17.00 19.21 ATOM 2846 CB TYR B 80 56.838 18.398 61.189 1.00 19.21 ATOM 2847 CG TYR B 80 56.947 16.162 61.577 1.00 18.02 ATOM 2848 CD TYR B 80 56.947 16.162 61.577 1.00 18.02 ATOM 2849 CE1 TYR B 80 56.947 16.162 61.577 1.00 18.02 ATOM 2850 CZ TYR B 80 54.947 14.908 62.021 1.00 19.16 ATOM 2851 OH TYR B 80 54.947 14.908 62.021 1.00 19.16 ATOM 2851 OH TYR B 80 54.947 14.908 62.021 1.00 19.16 ATOM 2852 CE2 TYR B 80 54.816 16.945 60.831 1.00 23.11 ATOM 2854 C TYR B 80 54.816 16.945 60.831 1.00 23.11 ATOM 2854 C TYR B 80 54.816 16.945 60.831 1.00 23.11 ATOM 2854 C TYR B 80 54.816 16.945 60.831 1.00 23.11 ATOM 2855 O TYR B 80 54.816 16.945 60.831 1.00 16.60 ATOM 2856 N ASP B 81 59.813 19.801 59.9661 1.00 25.46 ATOM 2857 CA ASP B 81 60.613 20.748 59.8649 1.00 25.46	ATOM	2824	CG1	ILE	В	77	54.513	17.334			
ATOM 2827 C ILE B 77 56.919 19.048 69.880 1.00 21.40 ATOM 2828 O ILE B 77 56.994 20.175 70.348 1.00 16.51 ATOM 2829 N LEU B 78 57.354 18.703 68.682 1.00 14.62 ATOM 2830 CA LEU B 78 59.558 19.235 67.683 1.00 19.22 ATOM 2831 CB LEU B 78 60.190 18.709 68.980 1.00 24.19 ATOM 2832 CG LEU B 78 60.190 18.709 68.980 1.00 24.19 ATOM 2833 CD1 LEU B 78 60.571 19.861 69.903 1.00 24.19 ATOM 2834 CD2 LEU B 78 60.571 19.861 69.903 1.00 24.35 ATOM 2835 C LEU B 78 57.435 19.608 66.409 1.00 18.54 ATOM 2837 N PRO B 79 57.571 20.731 65.709 1.00 20.82 ATOM 2838 CA PRO B 79 57.571 20.731 65.709 1.00 20.82 ATOM 2838 CA PRO B 79 57.571 20.731 65.709 1.00 20.55 ATOM 2839 CB PRO B 79 57.571 20.731 65.709 1.00 13.66 ATOM 2841 CD PRO B 79 57.039 22.345 64.119 1.00 13.66 ATOM 2841 CD PRO B 79 57.883 20.131 63.351 1.00 11.53 ATOM 2843 O PRO B 79 57.883 20.131 63.351 1.00 11.53 ATOM 2843 O PRO B 79 57.883 20.131 63.351 1.00 11.53 ATOM 2844 N TYR B 80 57.888 18.998 61.189 1.00 19.21 ATOM 2846 CB TYR B 80 56.881 18.332 60.309 1.00 19.22 ATOM 2846 CB TYR B 80 56.883 18.332 60.309 1.00 19.59 ATOM 2847 CG TYR B 80 56.894 17.120 62.352 1.00 16.10 ATOM 2849 CE1 TYR B 80 56.947 16.162 61.577 1.00 18.02 ATOM 2850 CZ TYR B 80 54.947 14.908 62.021 1.00 17.97 ATOM 2851 OH TYR B 80 54.947 14.908 62.021 1.00 17.97 ATOM 2851 OH TYR B 80 54.947 14.908 62.021 1.00 19.16 ATOM 2852 CE2 TYR B 80 54.947 14.908 62.021 1.00 19.16 ATOM 2851 OH TYR B 80 54.947 14.908 62.021 1.00 19.16 ATOM 2853 CD2 TYR B 80 54.947 14.908 62.021 1.00 19.16 ATOM 2851 OH TYR B 80 54.947 14.908 62.021 1.00 19.16 ATOM 2852 CE2 TYR B 80 54.947 14.908 62.021 1.00 19.16 ATOM 2853 CD2 TYR B 80 54.947 14.908 62.021 1.00 19.16 ATOM 2855 O TYR B 80 54.947 14.908 62.021 1.00 19.16 ATOM 2855 O TYR B 80 54.947 14.908 62.021 1.00 19.16 ATOM 2855 O TYR B 80 54.947 14.908 62.021 1.00 19.16 ATOM 2855 O TYR B 80 54.947 14.908 62.021 1.00 19.16 ATOM 2855 O TYR B 80 54.947 14.908 62.021 1.00 19.16 ATOM 2855 O TYR B 80 54.947 14.908 62.021 1.00 19.16 ATOM 2855 O TYR B 80 54.947 14.908 62.021 1.00 19.16 AT	ATOM	2825	CD1	ILE	В	77	53.650	16.337			
ATOM 2828 O ILE B 77	MOTA	2826	CG2	ILE	В	77	54.103	18.928	70.552	1.00	17.41
ATOM 2829 N LEU B 78	ATOM	2827	С	ILE	В	77	56.919	19.048	69.880	1.00	21.40
ATOM 2830 CA LEU B 78 58.074 19.610 67.792 1.00 14.62 ATOM 2831 CB LEU B 78 59.558 19.235 67.683 1.00 19.22 ATOM 2832 CG LEU B 78 60.190 18.709 68.980 1.00 24.19 ATOM 2833 CD1 LEU B 78 60.571 19.861 69.903 1.00 24.35 ATOM 2835 C LEU B 78 60.571 19.861 69.903 1.00 24.35 ATOM 2835 C LEU B 78 57.435 19.608 66.409 1.00 28.24 ATOM 2836 O LEU B 78 56.815 18.637 65.968 1.00 20.82 ATOM 2837 N PRO B 79 57.571 20.731 65.709 1.00 20.55 ATOM 2838 CA PRO B 79 56.989 20.844 64.367 1.00 19.22 ATOM 2839 CB PRO B 79 57.039 22.345 64.119 1.00 13.66 ATOM 2840 CG PRO B 79 58.250 22.790 64.870 1.00 15.94 ATOM 2841 CD PRO B 79 57.883 20.131 63.351 1.00 11.53 ATOM 2843 O PRO B 79 57.883 20.131 63.351 1.00 11.53 ATOM 2844 N TYR B 80 57.888 18.998 61.189 1.00 19.21 ATOM 2845 CA TYR B 80 56.838 18.332 60.309 1.00 19.59 ATOM 2846 CB TYR B 80 56.838 18.332 60.309 1.00 19.59 ATOM 2847 CG TYR B 80 56.838 18.332 60.309 1.00 19.59 ATOM 2848 CD1 TYR B 80 56.838 18.332 60.309 1.00 19.59 ATOM 2849 CE1 TYR B 80 56.303 15.060 62.124 1.00 17.97 ATOM 2849 CE1 TYR B 80 56.303 15.060 62.124 1.00 17.97 ATOM 2850 CZ TYR B 80 54.319 13.807 62.575 1.00 29.70 ATOM 2851 OH TYR B 80 54.319 13.807 62.575 1.00 29.70 ATOM 2853 CD2 TYR B 80 54.319 13.807 62.575 1.00 23.11 ATOM 2855 CD TYR B 80 54.816 16.945 60.831 1.00 16.60 ATOM 2857 CA ASP B 81 59.813 19.801 59.961 1.00 18.92 ATOM 2857 CA ASP B 81 60.613 20.748 59.186 1.00 25.46 ATOM 2858 CB ASP B 81	ATOM	2828	0	ILE	В	77	56.994	20.175	70.348	1.00	16.51
ATOM 2830 CA LEU B 78 58.074 19.610 67.792 1.00 14.62 ATOM 2831 CB LEU B 78 59.558 19.235 67.683 1.00 19.22 ATOM 2832 CG LEU B 78 60.190 18.709 68.980 1.00 24.19 ATOM 2833 CD1 LEU B 78 60.190 18.709 68.980 1.00 24.19 ATOM 2834 CD2 LEU B 78 60.571 19.861 69.903 1.00 24.35 ATOM 2835 C LEU B 78 57.435 19.608 66.409 1.00 18.54 ATOM 2837 N PRO B 79 57.571 20.731 65.709 1.00 20.82 ATOM 2838 CA PRO B 79 57.571 20.731 65.709 1.00 20.55 ATOM 2838 CA PRO B 79 56.989 20.844 64.367 1.00 19.22 ATOM 2839 CB PRO B 79 58.250 22.790 64.870 1.00 15.94 ATOM 2841 CD PRO B 79 58.250 22.790 64.870 1.00 15.94 ATOM 2842 C PRO B 79 57.883 20.131 63.351 1.00 11.53 ATOM 2843 O PRO B 79 57.883 20.131 63.351 1.00 11.53 ATOM 2844 N TYR B 80 57.888 18.998 61.189 1.00 19.21 ATOM 2845 CA TYR B 80 56.838 18.332 60.309 1.00 19.21 ATOM 2846 CB TYR B 80 56.838 18.332 60.309 1.00 19.59 ATOM 2847 CG TYR B 80 56.838 18.332 60.309 1.00 19.59 ATOM 2848 CD1 TYR B 80 56.838 18.332 60.309 1.00 19.59 ATOM 2849 CE1 TYR B 80 56.303 15.060 62.124 1.00 17.97 ATOM 2849 CE1 TYR B 80 56.303 15.060 62.124 1.00 17.97 ATOM 2850 CZ TYR B 80 54.319 13.807 62.575 1.00 29.70 ATOM 2851 CH TYR B 80 54.319 13.807 62.575 1.00 29.70 ATOM 2853 CD2 TYR B 80 54.947 14.908 62.021 1.00 17.97 ATOM 2855 CD TYR B 80 54.319 13.807 62.575 1.00 23.11 ATOM 2855 CD TYR B 80 54.319 13.807 62.575 1.00 23.11 ATOM 2855 CD TYR B 80 54.319 13.807 62.575 1.00 29.70 ATOM 2855 CD TYR B 80 54.319 13.807 62.575 1.00 29.70 ATOM 2855 CD TYR B 80 54.319 13.807 62.575 1.00 29.70 ATOM 2855 CD TYR B 80 54.319 13.807 62.575 1.00 29.70 ATOM 2856 N ASP B 81 59.813 19.801 59.961 1.00 18.92 ATOM 2856 N ASP B 81 60.613 20.748 59.186 1.00 25.46 ATOM 2858 CB ASP B 81 60.613 20.748 59.186 1.00 25.46 ATOM 2858 CB ASP B 81 60.613 20.748 59.186 1.00 25.46	ATOM	2829	N	LEU	В	78	57.354	18.703	68.682	1.00	17.91
ATOM 2831 CB LEU B 78 59.558 19.235 67.683 1.00 19.22 ATOM 2832 CG LEU B 78 60.190 18.709 68.980 1.00 24.19 ATOM 2833 CD1 LEU B 78 61.387 17.832 68.669 1.00 25.60 ATOM 2834 CD2 LEU B 78 60.571 19.861 69.903 1.00 24.35 ATOM 2835 C LEU B 78 56.815 18.637 65.968 1.00 20.82 ATOM 2837 N PRO B 79 57.571 20.731 65.709 1.00 20.55 ATOM 2838 CA PRO B 79 57.571 20.731 65.709 1.00 20.55 ATOM 2839 CB PRO B 79 57.039 22.345 64.119 1.00 19.22 ATOM 2840 CG PRO B 79 58.250 22.790 64.870 1.00 15.94 ATOM 2841 CD PRO B 79 58.250 22.790 64.870 1.00 15.94 ATOM 2843 O PRO B 79 58.277 21.944 66.121 1.00 16.86 ATOM 2844 N TYR B 80 57.241 19.570 62.352 1.00 16.10 ATOM 2845 CA TYR B 80 56.838 18.332 60.309 1.00 19.21 ATOM 2846 CB TYR B 80 56.838 18.332 60.309 1.00 19.59 ATOM 2847 CG TYR B 80 56.947 16.162 61.577 1.00 18.02 ATOM 2848 CD1 TYR B 80 56.931 15.060 62.124 1.00 17.97 ATOM 2849 CE1 TYR B 80 56.931 15.060 62.124 1.00 17.97 ATOM 2849 CE1 TYR B 80 54.319 13.807 62.575 1.00 29.70 ATOM 2855 CD TYR B 80 54.319 13.807 62.575 1.00 29.70 ATOM 2855 CD TYR B 80 58.596 20.101 60.391 1.00 19.16 ATOM 2855 CD TYR B 80 58.596 20.101 60.391 1.00 16.60 ATOM 2855 CD TYR B 80 58.596 20.101 60.391 1.00 16.60 ATOM 2855 CA ASP B 81 59.813 19.801 59.961 1.00 18.92 ATOM 2856 CB ASP B 81 60.613 20.748 59.186 1.00 25.46			CA	LEU	В	78	58.074	19.610	67.792	1.00	14.62
ATOM 2832 CG LEU B 78 60.190 18.709 68.980 1.00 24.19 ATOM 2833 CD1 LEU B 78 61.387 17.832 68.669 1.00 25.60 ATOM 2834 CD2 LEU B 78 60.571 19.861 69.903 1.00 24.35 ATOM 2835 C LEU B 78 57.435 19.608 66.409 1.00 18.54 ATOM 2836 O LEU B 78 56.815 18.637 65.968 1.00 20.82 ATOM 2837 N PRO B 79 57.571 20.731 65.709 1.00 20.55 ATOM 2838 CA PRO B 79 56.989 20.844 64.367 1.00 19.22 ATOM 2839 CB PRO B 79 56.989 20.844 64.367 1.00 19.22 ATOM 2841 CD PRO B 79 58.250 22.790 64.870 1.00 15.94 ATOM 2842 C PRO B 79 58.277 21.944 66.121 1.00 16.56 ATOM 2844 N TYR B 80 57.241 19.570 62.352 1.00 16.10 ATOM 2845 CA TYR B 80 57.241 19.570 62.352 1.00 16.10 ATOM 2846 CB TYR B 80 56.838 18.332 60.309 1.00 19.21 ATOM 2847 CG TYR B 80 56.981 18.998 61.189 1.00 19.59 ATOM 2848 CD1 TYR B 80 56.982 17.120 60.923 1.00 16.10 ATOM 2849 CE1 TYR B 80 56.930 15.060 62.124 1.00 17.97 ATOM 2850 CZ TYR B 80 54.319 13.807 62.575 1.00 29.70 ATOM 2851 OH TYR B 80 54.319 13.807 62.575 1.00 29.70 ATOM 2852 CE2 TYR B 80 54.319 13.807 62.575 1.00 29.70 ATOM 2853 CD2 TYR B 80 54.319 13.807 62.575 1.00 29.70 ATOM 2856 N ASP B 81 60.613 20.748 59.186 1.00 25.46 ATOM 2857 CA ASP B 81 60.613 20.748 59.186 1.00 25.46 ATOM 2858 CB ASP B 81							59.558	19.235	67.683	1.00	19.22
ATOM 2833 CD1 LEU B 78 61.387 17.832 68.669 1.00 25.60 ATOM 2834 CD2 LEU B 78 60.571 19.861 69.903 1.00 24.35 ATOM 2835 C LEU B 78 57.435 19.608 66.409 1.00 18.54 ATOM 2836 O LEU B 78 56.815 18.637 65.968 1.00 20.82 ATOM 2837 N PRO B 79 57.571 20.731 65.709 1.00 20.55 ATOM 2838 CA PRO B 79 57.571 20.731 65.709 1.00 20.55 ATOM 2839 CB PRO B 79 57.039 22.345 64.119 1.00 13.66 ATOM 2840 CG PRO B 79 57.039 22.345 64.119 1.00 13.66 ATOM 2841 CD PRO B 79 58.250 22.790 64.870 1.00 15.94 ATOM 2842 C PRO B 79 58.277 21.944 66.121 1.00 16.86 ATOM 2843 O PRO B 79 57.883 20.131 63.351 1.00 11.53 ATOM 2844 N TYR B 80 57.241 19.570 62.352 1.00 16.10 ATOM 2845 CA TYR B 80 56.838 18.932 60.309 1.00 19.59 ATOM 2847 CG TYR B 80 56.838 18.932 60.309 1.00 19.59 ATOM 2848 CD1 TYR B 80 56.838 18.332 60.309 1.00 19.59 ATOM 2849 CE1 TYR B 80 56.947 16.162 61.577 1.00 18.02 ATOM 2849 CE1 TYR B 80 56.947 16.162 61.577 1.00 18.02 ATOM 2850 CZ TYR B 80 54.947 14.908 62.021 1.00 17.97 ATOM 2851 OH TYR B 80 54.947 14.908 62.021 1.00 19.16 ATOM 2852 CE2 TYR B 80 54.947 14.908 62.021 1.00 29.70 ATOM 2855 CD TYR B 80 54.947 16.94 60.831 1.00 23.11 ATOM 2855 CD TYR B 80 54.947 16.94 60.831 1.00 23.11 ATOM 2855 CA ASP B 81 60.613 20.748 59.186 1.00 25.46 ATOM 2856 N ASP B 81 60.613 20.748 59.186 1.00 25.46 ATOM 2857 CA ASP B 81 60.613 20.748 59.186 1.00 25.46											24.19
ATOM 2834 CD2 LEU B 78										1.00	25.60
ATOM 2835 C LEU B 78 57.435 19.608 66.409 1.00 18.54 ATOM 2836 O LEU B 78 56.815 18.637 65.968 1.00 20.82 ATOM 2837 N PRO B 79 57.571 20.731 65.709 1.00 20.55 ATOM 2838 CA PRO B 79 56.989 20.844 64.367 1.00 19.22 ATOM 2839 CB PRO B 79 57.039 22.345 64.119 1.00 13.66 ATOM 2840 CG PRO B 79 58.250 22.790 64.870 1.00 15.94 ATOM 2841 CD PRO B 79 58.277 21.944 66.121 1.00 16.86 ATOM 2842 C PRO B 79 57.883 20.131 63.351 1.00 11.53 ATOM 2844 N TYR B 80 57.241 19.570 62.352 1.00 16.10 ATOM 2845 CA TYR B 80 57.241 19.570 62.352 1.00 16.10 ATOM 2846 CB TYR B 80 56.838 18.332 60.309 1.00 19.59 ATOM 2847 CG TYR B 80 56.838 18.332 60.309 1.00 19.59 ATOM 2848 CD1 TYR B 80 56.838 18.332 60.309 1.00 19.59 ATOM 2849 CE1 TYR B 80 56.947 16.162 61.577 1.00 18.02 ATOM 2850 CZ TYR B 80 54.319 13.807 62.575 1.00 29.70 ATOM 2851 CH TYR B 80 54.319 13.807 62.575 1.00 29.70 ATOM 2852 CE2 TYR B 80 54.319 13.807 62.575 1.00 23.17 ATOM 2855 CB TYR B 80 58.596 20.101 60.399 1.00 23.17 ATOM 2855 CB TYR B 80 58.596 20.101 60.399 1.00 23.17 ATOM 2855 CB TYR B 80 58.596 20.101 60.399 1.00 23.17 ATOM 2855 CB TYR B 80 58.596 20.101 60.399 1.00 23.17 ATOM 2855 CB ASP B 81 60.613 20.748 59.186 1.00 25.46 ATOM 2857 CA ASP B 81 60.613 20.748 59.186 1.00 25.46 ATOM 2858 CB ASP B 81 61.883 20.083 58.649 1.00 35.12											
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ATOM 2856 N ASP B 81 59.813 19.801 59.961 1.00 18.92 ATOM 2857 CA ASP B 81 60.613 20.748 59.186 1.00 25.46 ATOM 2858 CB ASP B 81 61.883 20.083 58.649 1.00 35.12	ATOM	2855	0	TYR	В	80	58.013	21.187			
ATOM 2857 CA ASP B 81 60.613 20.748 59.186 1.00 25.46 ATOM 2858 CB ASP B 81 61.883 20.083 58.649 1.00 35.12		2856	N	ASP	В	81	59.813	19.801	59.961	1.00	18.92
ATOM 2858 CB ASP B 81 61.883 20.083 58.649 1.00 35.12			CA				60.613	20.748	59.186	1.00	25.46
							61.883	20.083	58.649	1.00	35.12
	MOTA	2859				81	62.912	19.827	59.726	1.00	34.96

MOTA	2860	OD1	ASP	В	81	62.916	20.589	60.714	1.00 26.58
MOTA	2861	OD2	ASP	В	81	63.711	18.878	59.602	1.00 34.17
ATOM	2862	С	ASP	В	81	59.815	21.292	58.006	1.00 24.68
ATOM	2863	0	ASP	В	81	59.877	22.476	57.667	1.00 30.63
ATOM	2864	N	ALA		82	59.076	20.393	57.377	1.00 21.31
MOTA	2865	CA	ALA		82	58.381	20.689	56.123	1.00 26.95
ATOM	2866	CB	ALA		82	57.912	19.386	55.477	1.00 20.31
ATOM	2867	C	ALA		82	57.202	21.637	56.283	1.00 33.87
ATOM	2868	0	ALA		82	56.749	22.267	55.323	1.00 20.97
	2869		THR		83	56.636	21.770	57.486	1.00 28.89
ATOM	2870	N			83	55.445	22.602	57.616	1.00 17.68
ATOM		CA	THR		83	54.208	21.738	57.906	1.00 21.79
ATOM	2871	CB	THR				21.730	59.135	1.00 23.91
ATOM	2872	0G1	THR		83	54.406			1.00 23.31
ATOM	2873	CG2	THR		83	54.006	20.709	56.804	
ATOM	2874	С	THR		83	55.581	23.645	58.723	1.00 17.70
ATOM	2875	0	THR		83	54.598	24.307	59.062	1.00 19.85
MOTA	2876	N	ARG		84	56.768	23.799	59.299	1.00 17.15
MOTA	2877	CA	ARG		84	56.880	24.747	60.406	1.00 21.26
ATOM	2878	CB	ARG	В	84	58.224	24.629	61.116	1.00 18.18
MOTA	2879	CG	ARG	В	84	59.419	25.008	60.264	1.00 19.29
ATOM	2880	CD	ARG	В	84	60.737	24.812	60.999	1.00 26.01
MOTA	2881	NE	ARG	В	84	61.852	25.270	60.167	1.00 27.31
MOTA	2882	CZ	ARG	В	84	62.526	26.386	60.390	1.00 21.69
ATOM	2883	NH1	ARG	В	84	62.193	27.161	61.422	1.00 22.24
ATOM	2884	NH2	ARG	В	84	63.521	26.738	59.595	1.00 19.19
ATOM	2885	С	ARG		84	56.677	26.175	59.897	1.00 24.93
ATOM	2886	0	ARG		84	56.868	26.452	58.713	1.00 16.17
MOTA	2887	N	VAL		85	56.283	27.055	60.809	1.00 19.84
ATOM	2888	CA	VAL		85	56.219	28.487	60.544	1.00 18.69
ATOM	2889	СВ	VAL		85	55.146	29.192	61.386	1.00 16.28
ATOM	2890	CG1	VAL		85	55.102	30.685	61.039	1.00 23.59
ATOM	2891	CG2	VAL		85	53.777	28.590	61.148	1.00 12.01
MOTA	2892	C	VAL		85	57.571	29.131	60.815	1.00 17.55
ATOM	2893	0	VAL		85	58.203	28.908	61.852	1.00 25.85
ATOM	2894	N	LYS		86	58.044	29.941	59.868	1.00 18.16
	2895	CA	LYS	В	86	59.348	30.575	60.022	1.00 22.13
ATOM	2896	CB	LYS		86	60.149	30.469	58.717	1.00 23.96
MOTA						60.650	29.070	58.416	1.00 23.28
MOTA	2897	CG		В	86	60.864	28.859	56.929	1.00 25.20
MOTA	2898	CD	LYS		86	61.343	27.446	56.630	1.00 33.17
ATOM	2899	CE	LYS		86			56.931	1.00 42.03
ATOM	2900	NZ	LYS		86	62.795	27.284		1.00 02.03
ATOM	2901	С	LYS		86	59.240	32.051	60.400	
ATOM	2902	0	LYS		86	58.381	32.768	59.867	1.00 22.58
MOTA	2903	N	LEU		87	60.112	32.497	61.294	1.00 23.50
ATOM	2904	CA	LEU		87	60.204	33.921	61.604	1.00 27.10
ATOM	2905	CB	LEU		87	60.653	34.189	63.033	1.00 25.75
ATOM	2906	CG	LEU		87	59.927	33.453	64.164	1.00 30.29
ATOM	2907		LEU		87	60.620	33.695	65.499	1.00 34.70
MOTA	2908	CD2	LEU		87	58.467	33.866	64.258	1.00 17.70
MOTA	2909	С	LEU	В	87	61.205	34.550	60.631	1.00 35.83
ATOM	2910	0	LEU	В	87	62.080	33.839	60.127	1.00 31.73
ATOM	2911	N	SER	В	88	61.082	35.842	60.383	1.00 37.78

ATOM	2912	CA	SER	В	88	62.022	36.595	59.565	1.00 39.22
ATOM	2913	CB	SER	В	88	61.501	38.024	59.360	1.00 37.70
ATOM	2914	OG	SER	В	88	62.058	38.842	60.384	1.00 56.30
ATOM	2915	С	SER	В	88	63.405	36.685	60.202	1.00 54.75
MOTA	2916	0	SER	В	88	63.540	36.552	61.419	1.00 56.41
ATOM	2917	N	ASN	В	89	64.420	36.927	59.382	1.00 75.33
ATOM	2918	CA	ASN	В	89	65.802	37.090	59.812	1.00 89.87
ATOM	2919	СВ	ASN	В	89	66.720	37.253	58.599	1.00 90.11
ATOM	2920	CG	ASN	В	89	66.156	38.159	57.525	1.00 90.26
ATOM	2921	OD1	ASN	В	89	65.038	38.666	57.636	1.00 84.88
ATOM	2922	ND2	ASN	В	89	66.932	38.372	56.466	1.00 89.32
MOTA	2923	С	ASN	В	89	65.966	38.281	60.749	1.00104.61
ATOM	2924	0	ASN	В	89	65.046	39.100	60.888	1.00106.28
ATOM	2925	N	VAL	В	90	67.134	38.404	61.376	1.00117.38
ATOM	2926	CA	VAL		90	67.381	39.480	62.324	1.00128.11
ATOM	2927	CB	VAL		90	66.614	39.227	63.643	1.00131.44
ATOM	2928	CG1	VAL		90	65.182	39.743	63.544	1.00127.66
ATOM	2929	CG2	VAL		90	66.623	37.744	64.000	1.00133.27
ATOM	2930	С	VAL		90	68.865	39.654	62.644	1.00131.59
ATOM	2931	Ō	VAL		90	69.731	39.301	61.846	1.00124.37
ATOM	2932	N		В	91	69.146	40.207	63.826	1.00135.31
ATOM	2933	CA	ASP		91	70.502	40.379	64.339	1.00137.26
ATOM	2934	СВ			91	70.482	40.895	65.775	1.00133.67
MOTA	2935	CG			91	71.529	41.944	66.104	1.00129.34
ATOM	2936	OD1	ASP		91	72.177	42.475	65.180	1.00133.28
MOTA	2937	OD2	ASP		91	71.709	42.256	67.303	1.00105.69
ATOM	2938	C	ASP		91	71.250	39.050	64.250	1.00141.41
ATOM	2939	Ö			91	70.663	38.007	64.553	1.00146.90
ATOM	2940	N	ASP		92	72.513	39.087	63.838	1.00141.54
ATOM	2941	CA		В	92	73.278	37.858	63.613	1.00138.38
MOTA	2942	CB	ASP	В	92	73.621	37.167	64.928	1.00136.13
ATOM	2943	CG		В	92	75.021	37.428	65.408	1.00132.67
MOTA	2944	OD1	ASP	_	92	75.913	37.722	64.570	1.00132.34
ATOM	2945		ASP		92	75.280	37.340	66.632	1.00122.69
ATOM	2946	C	ASP		92	72.468	36.947	62.696	1.00135.79
ATOM	2947	0	ASP	В	92	71.582	37.442	61.988	1.00127.98
ATOM	2948	N	ASP		93	72.728	35.641	62.690	1.00134.71
MOTA	2949	CA	ASP		93	71.890	34.782	61.848	1.00133.27
ATOM	2950	CB	ASP		93	72.308	34.930	60.381	1.00139.50
	2951	CG	ASP		93	71.490	35.955	59.623	1.00143.40
ATOM	2952		ASP		93	70.243	35.893	59.679	1.00148.49
ATOM	2953		ASP		93	72.087	36.837	58.963	1.00144.76
ATOM		C	ASP		93	71.922	33.319	62.260	1.00125.52
MOTA	2954				93	72.239	32.451	61.438	1.00123.32
ATOM	2955	0	ASP				32.989	63.500	1.00114.33
MOTA	2956	N	PRO		94	71.590		63.874	1.00122.00
ATOM	2957	CA	PRO		94	71.432	31.573	65.361	1.00118.08
ATOM	2958	CB	PRO		94	71.775	31.592	65.833	1.00119.79
ATOM	2959	CG	PRO		94	71.314	32.928		1.00121.98
ATOM	2960	CD	PRO		94	71.339	33.859	64.657	1.00123.38
MOTA	2961	С	PRO		94	69.991	31.145	63.644	
ATOM	2962	0	PRO		94	69.324	31.674	62.746	1.00 96.86
MOTA	2963	N	CYS	В	95	69.466	30.208	64.436	1.00101.66

MOTA	2964	CA	CYS	В	95	68.051	29.878	64.254	1.00 88.82
MOTA	2965	CB	CYS	В	95	67.674	28.484	64.735	1.00 90.50
ATOM	2966	SG	CYS	В	95	66.393	27.656	63.760	1.00135.13
ATOM	2967	С	CYS		95	67.191	30.918	64.979	1.00 70.52
ATOM	2968	0	CYS		95	66.476	30.585	65.919	1.00 43.58
	2969	N	SER		96	67.296	32.147	64.494	1.00 60.87
ATOM						66.446	33.248	64.919	1.00 51.63
MOTA	2970	CA	SER		96				
MOTA	2971	CB	SER		96	67.101	34.608	64.689	
MOTA	2972	OG	SER		96	67.550	34.751	63.352	1.00 59.05
MOTA	2973	С	SER	В	96	65.124	33.166	64.152	1.00 37.78
ATOM	2974	0	SER	В	96	64.267	34.025	64.352	1.00 49.18
MOTA	2975	N	ASP	В	97	65.021	32.137	63.309	1.00 31.64
MOTA	2976	CA	ASP	В	97	63.824	31.873	62.516	1.00 27.57
ATOM	2977	СВ	ASP	В	97	64.227	31.446	61.103	1.00 23.15
ATOM	2978	CG		В	97	64.442	29.970	60.866	1.00 34.09
ATOM	2979	OD1	ASP		97	64.645	29.151	61.783	1.00 28.80
ATOM	2980	OD2			97	64.413	29.585	59.675	1.00 47.02
MOTA	2981	C	ASP		97	62.890	30.840	63.150	1.00 18.50
		0	ASP		97	61.800	30.601	62.619	1.00 19.32
ATOM	2982						30.229	64.254	1.00 22.52
ATOM	2983	N	TYR		98	63.315	29.112	64.817	1.00 22.32
ATOM	2984	CA	TYR		98	62.577			1.00 19.25
MOTA	2985	CB	TYR		98	63.509	28.066	65.493	
MOTA	2986	CG	TYR		98	62.669	26.947	66.087	1.00 23.21
MOTA	2987	CD1	TYR		98	62.108	26.015	65.211	1.00 18.81
MOTA	2988	CE1	TYR	В	98	61.328	24.979	65.683	1.00 18.20
ATOM	2989	CZ	TYR	В	98	61.098	24.872	67.048	1.00 27.42
ATOM	2990	OH	TYR	В	98	60.311	23.833	67.506	1.00 16.71
MOTA	2991	CE2	TYR	В	98	61.630	25.785	67.929	1.00 16.10
MOTA	2992	CD2	TYR	В	98	62.415	26.819	67.453	1.00 15.44
ATOM	2993	С	TYR	В	98	61.524	29.537	65.833	1.00 21.92
ATOM	2994	0	TYR	В	98	61.779	30.233	66.820	1.00 22.98
ATOM	2995	N	ILE	В	99	60.320	29.031	65.582	1.00 16.17
MOTA	2996	CA	ILE		99	59.284	29.019	66.598	1.00 17.96
MOTA	2997	CB	ILE		99	58.282	30.173	66,466	1.00 18.22
ATOM	2998	CG1	ILE		99	57.208	30.134	67.564	1.00 17.54
ATOM	2999	CD1	ILE		99	56.327	31.368	67.580	1.00 25.26
	3000	CG2		В	99	57.629	30.221	65.094	1.00 17.90
ATOM				В	99	58.551	27.679	66.534	1.00 23.11
ATOM	3001	С				58.319	27.138	65.454	1.00 19.27
MOTA	3002	0	ILE		99				1.00 13.27
ATOM	3003	N	ASN			58.185	27.139	67.694	
ATOM	3004	CA	ASN			57.381	25.908	67.687	1.00 17.64
MOTA	3005	СВ	ASN			57.354	25.270	69.079	1.00 18.48
MOTA	3006	CG	ASN			56.794	23.863	69.078	1.00 13.37
MOTA	3007		ASN			55.775	23.626	68.446	1.00 18.56
MOTA	3008	ND2	ASN	В	100	57.453	22.935	69.780	1.00 17.03
MOTA	3009	С	ASN	В	100	55.995	26.223	67.175	1.00 17.36
ATOM	3010	0	ASN			55.058	26.498	67.938	1.00 16.80
ATOM	3011	N	ALA			55.867	26.172	65.839	1.00 13.82
ATOM	3012	CA	ALA			54.584	26.447	65.209	1.00 8.38
ATOM	3013	CB	ALA			54.344	27.949	65.090	1.00 14.14
ATOM	3014	C	ALA			54.488	25.803	63.815	1.00 10.67
ATOM	3015	0	ALA			55.532	25.598	63.187	1.00 17.26
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ATOM	3016	N	SER	В	102	53.268	25.514	63.375		10.49
ATOM	3017	CA	SER	В	102	53.065	24.791	62.119	1.00	15.63
ATOM	3018	CB	SER	В	102	52.782	23.308	62.372	1.00	17.37
ATOM	3019	OG	SER	В	102	53.658	22.704	63.287	1.00	15.04
ATOM	3020	С	SER		102	51.879	25.328	61.337	1.00	17.17
ATOM	3021	0	SER		102	50.844	25.684	61.902		18.22
ATOM	3022	N	TYR		103	51.990	25.368	60.011		16.28
	3023	CA	TYR		103	50.851	25.708	59.172		17.81
ATOM			TYR		103	51.321	26.133	57.778	1.00	
ATOM	3024	CB	TYR			52.139	27.398	57.701		12.87
ATOM	3025	CG			103		28.633	57.956		23.49
MOTA	3026	CD1	TYR		103	51.547				
ATOM	3027	CE1	TYR		103	52.288	29.795	57.886		21.55
ATOM	3028	CZ	TYR		103	53.619	29.769	57.564		22.19
MOTA	3029	OH	TYR		103	54.334	30.948	57.499		32.87
MOTA	3030	CE2	TYR		103	54.238	28.562	57.303		23.02
MOTA	3031	CD2	TYR	В	103	53.483	27.400	57.377		19.58
MOTA	3032	С	TYR	В	103	49.915	24.504	59.015		24.37
ATOM	3033	0	TYR	В	103	50.388	23.378	58.803	1.00	20.89
ATOM	3034	N	ILE	В	104	48.612	24.720	59.106	1.00	17.36
MOTA	3035	CA	ILE	В	104	47.596	23.693	58.951	1.00	20.36
ATOM	3036	СВ	ILE	В	104	46.894	23.397	60.301	1.00	24.05
ATOM	3037	CG1	ILE	В	104	47.859	23.206	61.472	1.00	23.04
ATOM	3038	CD1	ILE		104	48.755	21.992	61.352	1.00	23.46
ATOM	3039	CG2	ILE		104	45.961	22.211	60.187	1.00	28.18
ATOM	3040	C	ILE		104	46.532	24.093	57.945		23.59
ATOM	3041	Ö	ILE		104	45.944	25.175	58.016		20.30
ATOM	3042	N	PRO		105	46.247	23.225	56.979		20.21
ATOM	3042	CA	PRO		105	45.145	23.455	56.051		17.40
	3043	CB	PRO		105	45.259	22.284	55.052		20.56
ATOM			PRO		105	46.684	21.880	55.173		22.00
ATOM	3045	CG					21.979	56.663		22.12
ATOM	3046	CD	PRO		105	46.978		56.704		23.93
ATOM	3047	C	PRO		105	43.779	23.370			32.98
ATOM	3048	0	PRO		105	43.584	22.625	57.664		
ATOM	3049	N	GLY		106	42.850	24.133	56.156		21.83
ATOM	3050	CA	GLY		106	41.473	24.095	56.614		27.14
ATOM	3051	С	GLY		106	40.541	23.642	55.502		26.84
ATOM	3052	0	GLY		106	40.994	23.136	54.472		26.33
MOTA	3053	N	ASN		107	39.234	23.821	55.689		23.33
ATOM	3054	CA	ASN			38.309	23.403	54.648		33.39
MOTA	3055	CB	ASN	В	107	36.859	23.587	55.104		40.50
ATOM	3056	CG	ASN	В	107	36.393	22.414	55.950	1.00	42.30
ATOM	3057	OD1	ASN	В	107	37.022	21.357	55.975		50.74
MOTA	3058	ND2	ASN	В	107	35.282	22.645	56.633		52.70
ATOM	3059	С	ASN	В	107	38.485	24.195	53.354	1.00	41.23
ATOM	3060	0	ASN	В	107	38.042	23.711	52.312	1.00	34.23
MOTA	3061	N	ASN			39.085	25.371	53.459	1.00	40.92
ATOM	3062	CA	ASN			39.051	26.395	52.426		31.26
ATOM	3063	CB	ASN			38.527	27.684	53.085		41.62
MOTA	3064	CG	ASN			37.199	27.416	53.777		52.11
ATOM	3065		ASN			36.227	27.042	53.112		34.83
ATOM	3066		ASN			37.163	27.598	55.094		31.17
		C			108	40.386	26.637	51.756		31.83
MOTA	3067	C	HOM	ט	100	30.300	20.007	31.730	1.00	52.05

ATOM	3068	0	ASN	В	108	40.482	26.772	50.534	1.00 39.22
ATOM	3069	N	PHE	В	109	41.468	26.703	52.531	1.00 30.33
MOTA	3070	CA	PHE	В	109	42.774	26.919	51.911	1.00 21.96
MOTA	3071	CB	PHE	В	109	43.085	28.400	51.749	1.00 20.80
MOTA	3072	CG	PHE	В	109	42.708	29.329	52.890	1.00 28.79
ATOM	3073	CD1	PHE	В	109	43.692	29.911	53.674	1.00 25.92
MOTA	3074	CE1	PHE	В	109	43.376	30.759	54.718	1.00 31.45
MOTA	3075	CZ	PHE	В	109	42.054	31.055	54.993	1.00 37.19
MOTA	3076	CE2	PHE	В	109	41.064	30.476	54.218	1.00 41.01
ATOM	3077	CD2	PHE	В	109	41.386	29.628	53.175	1.00 32.74
ATOM	3078	С	PHE	В	109	43.860	26.236	52.741	1.00 20.75
MOTA	3079	0	PHE	В	109	43.593	25.834	53.871	1.00 23.61
MOTA	3080	N	ARG	В	110	45.045	26.137	52.178	1.00 19.49
MOTA	3081	CA	ARG	В	110	46.176	25.416	52.710	1.00 22.84
MOTA	3082	CB	ARG	В	110	47.210	25.227	51.575	1.00 21.99
MOTA	3083	CG	ARG	В	110	46.634	24.284	50.511	1.00 30.90
MOTA	3084	CD	ARG	В	110	47.726	23.349	50.019	1.00 39.83
MOTA	3085	NE	ARG	В	110	47.226	22.405	49.014	1.00 54.08
MOTA	3086	CZ		В	110	47.347	21.087	49.185	1.00 72.63
MOTA	3087		ARG		110	47.930	20.619	50.282	1.00 79.88
ATOM	3088		ARG		110	46.889	20.253	48.262	1.00 87.83
ATOM	3089	С	ARG		110	46.863	26.073	53.890	1.00 29.52
ATOM	3090	0	ARG	В	110	47.454	25.377	54.728	1.00 28.77
ATOM	3091	N	ARG	В	111	46.847	27.402	53.997	1.00 20.01
ATOM	3092	CA	ARG		111	47.476	27.910	55.233	1.00 24.11
ATOM	3093	CB	ARG		111	48.635	28.837	54.943	1.00 22.68
ATOM	3094	CG	ARG		111	49.880	28.255	54.313	1.00 19.86
ATOM	3095	CD	ARG		111	50.961	29.325	54.127	1.00 25.94
ATOM	3096	NE	ARG		111	52.272	28.701	53.923	1.00 30.60
ATOM	3097	CZ	ARG		111	53.449	29.295	54.017	1.00 21.38
ATOM	3098		ARG		111	53.524	30.583	54.324	1.00 42.58
ATOM	3099		ARG		111	54.570	28.620	53.808	1.00 29.00
ATOM	3100	С	ARG		111	46.398	28.613	56.060	1.00 21.97
ATOM	3101	0	ARG		111	46.481	29.791	56.388	1.00 19.77
ATOM	3102	N		В	112	45.354	27.865	56.383	1.00 16.17
ATOM	3103	CA		В	112	44.185	28.417	57.045	1.00 16.65
ATOM	3104	CB			112	42.994	27.458	56.911	1.00 17.98
ATOM	3105	CG			112	41.678	28.188	57.126	1.00 27.35
ATOM	3106	CD	GLU		112	40.479	27.519	56.495	1.00 27.95
ATOM	3107		GLU			39.370	27.881	56.934	1.00 28.26
ATOM	3108		GLU		112	40.609	26.665	55.596	1.00 25.50
ATOM	3109	С	GLU			44.461	28.700	58.518	1.00 23.99
ATOM	3110	0	GLU			43.974	29.662	59.122	1.00 19.68
ATOM	3111	N	TYR			45.280	27.832	59.107	1.00 19.82
ATOM	3112	CA	TYR			45.597	28.015	60.522	1.00 17.80
ATOM	3113	CB	TYR			44.940	26.997	61.450	1.00 25.68
ATOM	3114	CG	TYR			43.505	26.647	61.175	1.00 20.88
ATOM	3115		TYR			43.208	25.633	60.274	1.00 19.21
MOTA	3116		TYR			41.902	25.283	60.002	1.00 20.32
ATOM	3117		TYR			40.871	25.942	60.626	1.00 20.68
ATOM	3118		TYR			39.572	25.584	60.345	1.00 24.62
MOTA	3119	CE2	TYR	B	113	41.133	26.956	61.534	1.00 14.80

ATOM	3120	CD2		В 113	42.450	27.300	61.802	1.00 15.14
ATOM	3121	С	TYR	В 113	47.090	27.916	60.726	1.00 11.85
ATOM	3122	0	TYR	В 113	47.865	27.314	59.989	1.00 18.08
ATOM	3123	N	ILE	B 114	47.491	28.590	61.805	1.00 17.37
MOTA	3124	CA	ILE	В 114	48.801	28.423	62.389	1.00 12.30
MOTA	3125	CB	ILE	B 114	49.576	29.751	62.490	1.00 19.28
ATOM	3126	CG1	ILE	B 114	50.011	30.240	61.102	1.00 19.55
MOTA	3127	CD1	ILE	B 114	51.019	31.347	61.037	1.00 18.32
MOTA	3128	CG2	LE	B 114	50.722	29.619	63.473	1.00 10.43
MOTA	3129	С	ILE	В 114	48.607	27.809	63.771	1.00 13.65
MOTA	3130	0	ILE	B 114	47.920	28.374	64.607	1.00 20.47
MOTA	3131	N	VAL	В 115	49.207	26.630	63.960	1.00 18.21
MOTA	3132	CA	VAL	B 115	49.068	25.982	65.260	1.00 21.54
MOTA	3133	СВ	VAL	B 115	48.724	24.487	65.134	1.00 26.76
ATOM	3134	CG1	VAL	В 115	49.151	23.747	66.394	1.00 21.17
MOTA	3135	CG2	VAL	В 115	47.236	24.353	64.859	1.00 23.83
MOTA	3136	С	VAL	В 115	50.366	26.144	66.018	1.00 15.13
ATOM	3137	0	VAL	В 115	51.470	26.092	65.484	1.00 15.47
MOTA	3138	N	THR	В 116	50.255	26.378	67.328	1.00 14.92
MOTA	3139	CA	THR	В 116	51.530	26.594	68.022	1.00 12.65
ATOM	3140	CB	THR	В 116	51.927	28.078	67.913	1.00 16.69
ATOM	3141	OG1	THR :	3 116	53.253	28.333	68.385	1.00 15.71
ATOM	3142	CG2	THR	3 116	50.956	28.910	68.764	1.00 17.43
ATOM	3143	С	THR I		51.360	26.112	69.463	1.00 11.03
ATOM	3144	0	THR		50.246	25.848	69.902	1.00 11.09
ATOM	3145	N	GLN I		52.459	25.961	70.161	1.00 12.28
MOTA	3146	CA	GLN I		52.444	25.635	71.579	1.00 13.83
ATOM	3147	СВ	GLN I		53.863	25.230	71.985	1.00 14.30
MOTA	3148	CG	GLN I	3 117	54.898	26.324	71.994	1.00 10.96
ATOM	3149	CD	GLN I		56.300	25.936	72.377	1.00 19.11
ATOM	3150	OE1			56.676	24.759	72.435	1.00 18.55
ATOM	3151	NE2	GLN I	3 117	57.164	26.915	72.649	1.00 17.68
ATOM	3152	С	GLN H	3 117	51.991	26.834	72.400	1.00 20.95
ATOM	3153	0	GLN H	3 117	52.025	27.946	71.859	1.00 14.87
MOTA	3154	N	GLY E	3 118	51.630	26.648	73.666	1.00 14.16
ATOM	3155	CA	GLY F	3 118	51.461	27.815	74.553	1.00 11.25
ATOM	3156	С	GLY F	3 118	52.809	28.483	74.732	1.00 11.67
ATOM	3157	0	GLY E	3 118	53.804	27.871	75.122	1.00 18.12
ATOM	3158	N	PRO E	3 119	52.897	29.771	74.383	1.00 15.72
ATOM	3159	CA	PRO E	119	54.165	30.499	74.473	1.00 17.34
MOTA	3160	СВ	PRO E	119	53.761	31.941	74.150	1.00 18.05
ATOM	3161	CG	PRO E	119	52.540	31.802	73.307	1.00 16.94
ATOM	3162	CD	PRO E	119	51.802	30.606	73.862	1.00 18.02
ATOM	3163	С	PRO E	119	54.767	30.441	75.878	1.00 12.82
ATOM	3164	0	PRO E	119	54.020	30.432	76.865	1.00 17.29
ATOM	3165	N	LEU E		56.088	30.366	75.889	1.00 22.15
MOTA	3166	CA	LEU E		56.900	30.382	77.094	1.00 25.66
ATOM	3167	СВ	LEU E		58.171	29.551	76.952	1.00 21.93
ATOM	3168	CG	LEU E		57.984	28.079	76.585	1.00 26.05
ATOM	3169		LEU E		59.239	27.508	75.941	1.00 24.09
ATOM	3170		LEU E		57.592	27.308	77.828	1.00 25.20
ATOM	3171	С	LEU E	120	57.275	31.832	77.417	1.00 23.76

ATOM	3172	0	LEU	В	120	57.201	32.682	76.533	1.00	21.98
MOTA	3173	N	PRO	В	121	57.659	32.087	78.659	1.00	19.89
ATOM	3174	CA	PRO	В	121	58.151	33.418	79.028	1.00	22.32
MOTA	3175	CB	PRO	В	121	58.751	33.181	80.415	1.00	25.42
MOTA	3176	CG	PRO	В	121	57.957	32.033	80.964	1.00	28.77
ATOM	3177	CD	PRO	В	121	57.648	31.145	79.793	1.00	23.68
MOTA	3178	С	PRO	В	121	59.228	33.871	78.048	1.00	24.84
ATOM	3179	0	PRO	В	121	59.278	35.032	77.646	1.00	
ATOM	3180	N	GLY	В	122	60.083	32.929	77.647		24.79
ATOM	3181	CA	GLY	В	122	61.164	33.214	76.738		26.40
ATOM	3182	С	GLY		122	60.850	33.227	75.260	1.00	19.61
ATOM	3183	0	GLY		122	61.744	33.609	74.493	1.00	26.22
ATOM	3184	N	THR		123	59.660	32.849	74.813	1.00	19.28
ATOM	3185	CA	THR		123	59.353	32.851	73.388	1.00	21.38
ATOM	3186	СВ	THR		123	59.009	31.450	72.839	1.00	17.49
ATOM	3187	OG1	THR		123	57.825	30.952	73.499	1.00	18.47
ATOM	3188	CG2	THR		123	60.136	30.465	73.099	1.00	
ATOM	3189	С	THR		123	58.182	33.770	73.092		18.63
ATOM	3190	0	THR		123	57.760	33.895	71.942		21.10
ATOM	3191	N	LYS		124	57.616	34.408	74.128		17.85
ATOM	3192	CA	LYS		124	56.401	35.150	73.790		19.83
ATOM	3193	СВ	LYS		124	55.659	35.684	74.999	1.00	20.67
ATOM	3194	CG			124	56.454	36.481	76.010	1.00	22.46
ATOM	3195	CD			124	55.540	36.754	77.204	1.00	32.02
ATOM	3196	CE	LYS	В	124	56.234	37.523	78.317		34.93
ATOM	3197	NZ		В	124	55.312	37.592	79.499		34.71
ATOM	3198	C	LYS	В	124	56.716	36.320	72.843		17.31
ATOM	3199	0	LYS	В	124	55.797	36.775	72.162		18.88
ATOM	3200	N	ASP	В	125	57.972	36.753	72.843		22.11
ATOM	3201	CA	ASP		125	58.311	37.850	71.919		32.47
ATOM	3202	СВ	ASP	В	125	59.648	38.486	72.278		25.76
ATOM	3203	CG			125	59.590	39.330	73.544		26.93
ATOM	3204	OD1		В	125	58.487	39.534	74.093		23.69
ATOM	3205		ASP	В	125	60.656	39.797	73.994		34.33
ATOM	3206	С	ASP	В	125	58.275	37.287	70.500	1.00	25.35
ATOM	3207	Ō		В	125	57.755	37.900	69.568		20.65
ATOM	3208	N		В	126	58.823	36.085	70.361		23.45
ATOM	3209	CA		В	126	58.740	35.345	69.103	1.00	28.27
ATOM	3210	СВ	ASP		126	59.416	33.982	69.251		31.70
ATOM	3211	CG	ASP		126	60.912	34.025	69.453		37.78
ATOM	3212		ASP		126	61.567	34.998	69.021		35.70
ATOM	3213		ASP		126	61.452	33.065	70.055		41.12
ATOM	3214	С	ASP		126	57.297	35.155	68.655		24.03
ATOM	3215	0	ASP		126	56.928	35.305	67.484		21.60
ATOM	3216	N	PHE		127	56.418	34.780	69.586		19.45
ATOM	3217	CA	PHE		127	55.017	34.576	69.246		18.59
ATOM	3218	СВ	PHE		127	54.220	34.196	70.505		15.64
ATOM	3219	CG	PHE		127	52.714	34.146	70.345		18.56
ATOM	3220		PHE		127	52.137	32.939	69.936		16.99
ATOM	3221		PHE		127	50.771	32.846	69.790		15.74
ATOM	3222	CZ	PHE			49.941	33.925	70.023		21.60
ATOM	3223		PHE			50.506	35.127	70.433		14.92

ATOM	3224	CD2	PHE	В	127	51.865	35.219	70.593	1.00	11.80
ATOM	3225	С	PHE	В	127	54.417	35.835	68.628	1.00	15.63
ATOM	3226	0	PHE	В	127	53.711	35.819	67.627	1.00	14.92
MOTA	3227	N	TRP	В	128	54.630	36.977	69.295	1.00	14.67
ATOM	3228	CA	TRP	В	128	53.959	38.186	68.805	1.00	16.59
ATOM	3229	CB	TRP	В	128	53.990	39.330	69.835	1.00	14.86
ATOM	3230	CG	TRP	В	128	52.966	39.089	70.927	1.00	13.08
ATOM	3231	CD1	TRP	В	128	53.298	38.867	72.240	1.00	14.73
MOTA	3232	NE1	TRP	В	128	52.169	38.677	72.995	1.00	12.11
MOTA	3233	CE2	TRP	В	128	51.074	38.775	72.179	1.00	13.55
MOTA	3234	CD2	TRP	В	128	51.542	39.029	70.874	1.00	12.42
MOTA	3235	CE3	TRP	В	128	50.575	39.166	69.868	1.00	13.65
MOTA	3236	CZ3	TRP	В	128	49.246	39.052	70.168	1.00	19.72
MOTA	3237	CH2	TRP	В	128	48.814	38.796	71.482	1.00	22.04
MOTA	3238	CZ2	TRP	В	128	49.725	38.655	72.495	1.00	19.42
MOTA	3239	C	TRP	В	128	54.577	38.581	67.460	1.00	13.73
ATOM	3240	0	TRP	В	128	53.849	39.046	66.583	1.00	22.69
ATOM	3241	N	LYS	В	129	55.877	38.373	67.292	1.00	16.55
MOTA	3242	CA	LYS		129	56.523	38.666	66.013	1.00	19.71
ATOM	3243	CB			129	58.015	38.363	66.108	1.00	22.40
MOTA	3244	CG			129	58.811	38.769	64.883	1.00	25.13
ATOM	3245	CD	LYS	В	129	60.267	38.316	64.882	1.00	28.99
ATOM	3246	CE			129	60.695	38.135	63.426	1.00	37.78
ATOM	3247	ΝZ	LYS			62.137	37.915	63.203	1.00	37.99
ATOM	3248	С			129	55.856	37.871	64.893	1.00	32.26
ATOM	3249	0			129	55.560	38.383	63.811	1.00	23.65
MOTA	3250	N			130	55.586	36.593	65.147	1.00	23.24
ATOM	3251	CA			130	54.908	35.732	64.180	1.00	23.01
MOTA	3252	CB			130	54.804	34.277	64.673	1.00	20.78
ATOM	3253	CG			130	53.968	33.376	63.751		16.92
MOTA	3254	SD			130	53.852	31.724	64.483		24.92
MOTA	3255	CE			130	52.612	31.968	65.746		15.70
ATOM	3256	C			130	53.516	36.249	63.878		16.75
ATOM	3257	0			130	53.068	36.268	62.733		21.38
ATOM	3258	N	VAL		131	52.799	36.648	64.923	1.00	14.58
ATOM	3259	CA	VAL		131	51.451	37.179	64.697		11.14
ATOM	3260	CB	VAL		131	50.818	37.503	66.056		24.53
ATOM	3261		VAL		131	49.602	38.413	65.954		18.70
ATOM	3262		VAL		131	50.452	36.195	66.761		13.43
ATOM	3263	C	VAL			51.546	38.398	63.773		16.31
ATOM	3264	O N	VAL			50.746	38.556	62.845		23.18
ATOM	3265	N	TRP		132	52.527	39.248	64.033		21.92
ATOM	3266	CA	TRP		132	52.707	40.480	63.256		28.19
MOTA	3267	CB	TRP		132	53.735	41.385	63.925		16.64
ATOM	3268	CG	TRP		132	54.047	42.651	63.178		32.79
MOTA	3269		TRP			55.127	42.862	62.368	1.00	
ATOM	3270		TRP			55.094	44.132	61.851	1.00	
ATOM ATOM	3271		TRP		132	53.983	44.776	62.318	1.00	
	3272		TRP I		132	53.299	43.876	63.159		30.28
ATOM ATOM	3273 3274		TRP I		132	52.112	44.298	63.769	1.00	
			TRP I			51.663	45.586	63.522	1.00	
ATOM	3275	CHZ	TRP 1	<b>.</b>	132	52.373	46.450	62.681	1.00	35./3

MOTA	3276	CZ2	TRP	В	132	53.535	46.073	62.065	1.00 39.63	3
ATOM	3277	С	TRP	В	132	53.126	40.162	61.823	1.00 30.19	5
ATOM	3278	0	TRP	В	132	52.480	40.618	60.883	1.00 22.50	0
MOTA	3279	N	GLU	В	133	54.185	39.377	61.636	1.00 27.59	9
MOTA	3280	CA	GLU	В	133	54.620	39.019	60.289	1.00 24.73	1
ATOM	3281	CB	GLU	В	133	55.914	38.198	60.359	1.00 21.40	J
MOTA	3282	CG	GLU	В	133	56.932	38.826	61.304	1.00 27.89	9
MOTA	3283	CD	GLU	В	133	58.303	38.200	61.158	1.00 32.83	3
MOTA	3284	OE1	GLU	В	133	58.377	36.959	61.046	1.00 36.49	Э
MOTA	3285	OE2	GLU	В	133	59.287	38.963	61.157	1.00 38.19	9
ATOM	3286	С	GLU		133	53.583	38.245	59.492	1.00 28.74	1
MOTA	3287	0	GLU		133	53.540	38.416	58.266	1.00 22.81	L
MOTA	3288	N	GLN		134	52.763	37.406	60.128	1.00 20.49	)
MOTA	3289	CA	GLN	В	134	51.817	36.563	59.392	1.00 16.15	5
ATOM	3290	СВ	GLN		134	51.619	35.216	60.088	1.00 20.39	)
MOTA	3291	CG	GLN		134	52.869	34.348	60.135	1.00 23.00	)
ATOM	3292	CD	GLN		134	53.168	33.663	58.815	1.00 29.61	
MOTA	3293	OE1		_	134	52.258	33.147	58.166	1.00 37.61	
ATOM	3294	NE2			134	54.437	33.658	58.425	1.00 26.32	2
MOTA	3295	С	GLN		134	50.466	37.236	59.220	1.00 19.93	
ATOM	3296	0	GLN	_	134	49.519	36.586	58.783	1.00 24.92	
ATOM	3297	N	ASN		135	50.372	38.515	59.575	1.00 20.36	
ATOM	3298	CA	ASN		135	49.118	39.244	59.402	1.00 18.42	
ATOM	3299	CB	ASN		135	48.860	39.385	57.893	1.00 28.65	
ATOM	3300	CG	ASN		135	50.072	40.027	57.229	1.00 39.16	
ATOM	3301	OD1			135	50.454	41.140	57.596	1.00 35.15	
ATOM	3302		ASN		135	50.693	39.350	56.271	1.00 39.15	
MOTA	3303	C	ASN		135	47.956	38.565	60.092	1.00 21.37	
ATOM	3304	0	ASN		135	46.828	38.506	59.609	1.00 20.97	
ATOM	3305	N	VAL		136	48.226	38.024	61.282	1.00 23.56	
ATOM	3306	CA	VAL		136	47.159	37.346	62.021	1.00 22.94	
ATOM	3307	CB	VAL		136	47.773	36.475	63.134	1.00 19.22	
ATOM	3308	CG1	VAL		136	46.690	35.933	64.043	1.00 20.50	
ATOM	3309	CG2	VAL		136	48.621	35.365	62.511	1.00 13.95	
ATOM ATOM	3310 3311	C O	VAL		136	46.210	38.363	62.640	1.00 19.65	
ATOM	3312	N	VAL HIS		136 137	46.679	39.369	63.195	1.00 23.44	
ATOM	3313	CA			137	44.914 43.919	38.117 38.956	62.542	1.00 15.94	
ATOM	3314	CB			137	42.921	39.537	63.175 62.162	1.00 22.68 1.00 32.34	
ATOM	3315	CG	HIS		137	43.539	40.472	61.174	1.00 52.34	
ATOM	3316		HIS		137	42.795	41.144	60.227	1.00 50.91	
ATOM	3317		HIS		137	43.597	41.891	59.487	1.00 62.67	
ATOM	3318		HIS		137	44.835	41.728	59.922	1.00 55.36	
ATOM	3319		HIS		137	44.823	40.845	60.971	1.00 35.30	
ATOM	3320	C	HIS		137	43.129	38.192	64.237	1.00 40.21	
ATOM	3321	0	HIS		137	42.446	38.847	65.029	1.00 21.10	
ATOM	3322	N	ASN			43.200	36.861	64.239	1.00 20.71	
ATOM	3323	CA	ASN			42.435	36.117	65.251	1.00 20.71	
ATOM	3324	CB	ASN			41.167	35.466	64.683	1.00 20.33	
ATOM	3325	CG	ASN			40.246	36.482	64.038	1.00 19.57	
ATOM	3326		ASN			40.149	36.530	62.809	1.00 23.33	
ATOM	3327		ASN			39.593	37.321	64.827	1.00 15.27	
	•			_				<del>-</del>	10.27	

ATOM	3328	С	ASN	В	138	43.316	35.057	65.905		16.32
ATOM	3329	0	ASN	В	138	44.016	34.315	65.217	1.00	22.33
ATOM	3330	N	ILE	В	139	43.256	35.021	67.224	1.00	12.38
MOTA	3331	CA	ILE	В	139	43.981	34.065	68.039	1.00	13.90
MOTA	3332	CB	ILE	В	139	45.010	34.736	68.966	1.00	17.37
ATOM	3333	CG1	ILE		139	46.050	35.606	68.246	1.00	18.49
MOTA	3334	CD1	ILE	В	139	47.007	36.323	69.166	1.00	12.78
ATOM	3335	CG2	ILE		139	45.702	33.693	69.832	1.00	17.74
ATOM	3336	C	ILE		139	43.005	33.252	68.883	1.00	21.32
ATOM	3337	0	ILE		139	42.141	33.824	69.551	1.00	17.35
ATOM	3338	N	VAL		140	43.161	31.923	68.805		13.24
ATOM	3339	CA	VAL		140	42.268	31.051	69.568		16.27
ATOM	3340	CB	VAL		140	41.494	30.072	68.677		27.64
ATOM	3341	CG1			140	40.663	29.111	69.518		15.58
ATOM	3342	CG2	VAL		140	40.592	30.819	67.697		23.20
ATOM	3343	C	VAL		140	43.114	30.311	70.610		18.13
ATOM	3344	0	VAL		140	44.176	29.761	70.291		14.05
ATOM	3345	N	MET		141	42.658	30.324	71.870		13.85
ATOM	3346	CA	MET		141	43.424	29.744	72.969		17.23
ATOM	3347	CB	MET		141	43.894	30.844	73.939		16.81
ATOM	3348	CG	MET		141	44.730	30.340	75.094		16.69
ATOM	3349	SD	MET		141	45.484	31.660	76.071		18.21
ATOM	3350	CE		В	141	46.209	30.676	77.403		22.43
ATOM	3351	C		В	141	42.539	28.740	73.681		18.04
ATOM	3352	0	MET		141	41.502	29.159	74.204		23.03
MOTA	3353	N	VAL		142	42.894	27.450	73.708		13.36
ATOM	3354	CA	VAL		142	41.913	26.540	74.325		13.57
ATOM	3355	CB	VAL		142	41.368	25.488	73.342		16.78
ATOM	3356	CG1	VAL		142	40.352	26.126	72.403		25.66
ATOM	3357		VAL		142	42.526	24.857	72.591		22.06
ATOM	3358	C	VAL		142	42.536	25.823	75.513		15.54
ATOM	3359	0	VAL		142	42.224	24.690	75.854		36.13
MOTA	3360	N	THR		143	43.443	26.538	76.161		19.81
ATOM	3361	CA	THR		143	44.013	26.054	77.415	1.00	23.30
ATOM	3362	СВ	THR		143	45.474	25.625	77.268		20.98
ATOM	3363	OG1	THR		143	45.916	24.941	78.455	1.00	20.64
ATOM	3364	CG2	THR		143	46.363	26.856	77.104		18.59
MOTA	3365	C	THR		143	43.915	27.174	78.445		27.90
ATOM	3366	0	THR			43.801	28.343	78.083		18.82
ATOM	3367	N	GLN			43.972	26.814	79.720		24.18
ATOM	3368	CA	GLN			44.194	27.849	80.726		26.49
ATOM	3369	СВ	GLN			43.490	27.554	82.038	1.00	25.93
ATOM	3370	CG	GLN			41.973	27.692	81.972	1.00	31.81
ATOM	3371	CD	GLN			41.409	27.232	83.315		43.70
ATOM	3372		GLN			41.157	28.059	84.185	1.00	50.17
ATOM	3373		GLN			41.251	25.923	83.447	1.00	42.17
ATOM	3374	С	GLN		144	45.701	27.911	80.950	1.00	21.88
ATOM	3375	0	GLN		144	46.371	26.926	80.618		18.20
ATOM	3376	N	CYS			46.176	29.017	81.502		17.45
ATOM	3377	CA	CYS		145	47.594	29.207	81.718	1.00	13.43
ATOM	3378	СВ	CYS			47.853	30.629	82.221	1.00	20.41
MOTA	3379	SG	CYS			47.629	31.851	80.891	1.00	23.38

ATOM	3380	С	CYS	В	145	48.151	28.198	82.726		13.94
MOTA	3381	0	CYS	В	145	49.278	27.738	82.611		14.73
ATOM	3382	N	VAL	В	146	47.320	27.912	83.716	1.00	19.10
ATOM	3383	CA	VAL	В	146	47.674	26.994	84.798	1.00	21.25
ATOM	3384	СВ	VAL	В	146	48.116	27.718	86.081	1.00	23.42
ATOM	3385	CG1			146	48.515	26.713	87.163	1.00	17.61
ATOM	3386	CG2	VAL		146	49.270	28.661	85.793		20.80
ATOM	3387	C	VAL		146	46.449	26.145	85.081		19.88
	3388	0	VAL		146	45.355	26.702	85.219		21.18
ATOM	3389	N	GLU		147	46.590	24.824	85.132		18.68
ATOM						45.398		85.422		18.49
MOTA	3390	CA	GLU		147	45.048	24.012	84.225		21.59
ATOM	3391	СВ	GLU		147		23.119			23.43
ATOM	3392	CG	GLU		147	44.374	23.905	83.116		
MOTA	3393	CD	GLU		147	44.162	23.234	81.785		38.61
ATOM	3394	OE1	GLU		147	44.493	22.040	81.618		34.89
ATOM	3395	OE2	GLU		147	43.636	23.926	80.870		30.39
MOTA	3396	С	GLU		147	45.675	23.194	86.675		22.32
ATOM	3397	0	GLU		147	46.589	22.361	86.632		27.28
ATOM	3398	N	LYS	В	148	44.956	23.423	87.767		30.22
MOTA	3399	CA	LYS	В	148	45.226	22.630	88.976		32.97
ATOM	3400	CB	LYS	В	148	44.850	21.169	88.720	1.00	39.67
ATOM	3401	CG	LYS	В	148	43.346	20.947	88.598		44.29
ATOM	3402	CD	LYS	В	148	43.029	19.958	87.489	1.00	44.33
ATOM	3403	CE	LYS	В	148	41.527	19.780	87.325	1.00	49.46
ATOM	3404	NZ	LYS	В	148	41.028	20.351	86.043	1.00	61.43
ATOM	3405	С			148	46.681	22.757	89.395	1.00	28.17
ATOM	3406	0	LYS		148	47.401	21.830	89.761	1.00	28.44
ATOM	3407	N	GLY		149	47.163	24.001	89.303	1.00	19.82
ATOM	3408	CA	GLY		149	48.533	24.259	89.642		14.78
ATOM	3409	C	GLY		149	49.550	23.826	88.611		25.79
ATOM	3410	0	GLY		149	50.723	24.180	88.775		24.43
ATOM	3411	N	ARG		150	49.192	23.090	87.559		24.49
ATOM	3412	CA	ARG		150	50.193	22.668	86.579		21.93
MOTA	3413	CB	ARG		150	49.803	21.317	85.965		24.07
ATOM	3414	CG	ARG		150	49.775	20.179	86.980		28.42
ATOM	3415	CD	ARG		150	49.328	18.870	86.341		38.83
ATOM	3416	NE	ARG		150	48.126	18.371	87.014		49.80
ATOM	3417	CZ	ARG		150	46.904	18.817	86.738		54.11
			ARG			46.718	19.752	85.811		48.84
ATOM	3418					45.865				45.18
MOTA	3419		ARG					87.394		15.49
ATOM	3420	C	ARG			50.346	23.708	85.467		23.49
MOTA	3421	0	ARG			49.325	24.039	84.872		
MOTA	3422	N	VAL			51.543	24.202	85.215		18.22
ATOM	3423	CA	VAL			51.760	25.224	84.188		20.43
MOTA	3424	CB	VAL			53.188	25.789	84.283		27.81
MOTA	3425		VAL			53.440	26.853	83.216		35.66
ATOM		CG2				53.439	26.378	85.667		24.07
ATOM	3427	С	VAL			51.513	24.667	82.790		23.20
ATOM	3428	0	VAL			52.059	23.622	82.440		19.63
ATOM	3429	N	LYS			50.707	25.370	82.006		24.64
MOTA	3430	CA	LYS	В	152	50.357	24.963	80.651		14.29
MOTA	3431	CB	LYS	В	152	48.860	24.691	80.517	1.00	10.40

ATOM	3432	CG	LYS	В	152	48.253	23.776	81.578		17.03
MOTA	3433	CD	LYS	В	152	48.788	22.349	81.417		21.83
ATOM	3434	CE	LYS	В	152	47.958	21.386	82.264		22.06
ATOM	3435	NZ	LYS	В	152	48.298	19.972	81.959		36.68
MOTA	3436	С	LYS	В	152	50.754	26.040	79.644		24.64
ATOM	3437	0	LYS	В	152	51.009	25.763	78.468		18.65
ATOM	3438	N	CYS	В	153	50.803	27.314	80.047	1.00	11.48
MOTA	3439	CA	CYS	В	153	51.051	28.334	79.016	1.00	12.40
ATOM	3440	СВ	CYS	В	153	49.804	28.484	78.135	1.00	12.34
ATOM	3441	SG	CYS	В	153	49.930	29.808	76.878	1.00	18.57
MOTA	3442	С	CYS			51.402	29.647	79.697	1.00	21.82
ATOM	3443	0	CYS	В	153	50.893	29.972	80.777	1.00	18.60
ATOM	3444	N	ASP		154	52.295	30.439	79.135	1.00	16.73
MOTA	3445	CA			154	52.588	31.722	79.807	1.00	16.66
ATOM	3446	СВ		В	154	53.893	32.268	79.253	1.00	17.86
ATOM	3447	CG		В	154	54.346	33.504	80.006	1.00	28.26
MOTA	3448		ASP			54.311	34.561	79.347		32.47
ATOM	3449		ASP			54.693	33.396	81.199	1.00	26.75
ATOM	3450	С	ASP			51.417	32.676	79.644	1.00	19.16
ATOM	3451	0	ASP		154	50.633	32.566	78.696	1.00	19.76
ATOM	3452	N	HIS		155	51.254	33.609	80.583		18.37
ATOM	3453	CA	HIS		155	50.258	34.666	80.434		19.93
ATOM	3454	СВ	HIS		155	49.911	35.303	81.787		13.95
ATOM	3455	CG	HIS		155	48.744	36.236	81.679		17.38
ATOM	3456	ND1	HIS		155	47.470	35.952	82.137		21.90
ATOM	3457	CE1	HIS		155	46.665	36.975	81.889		23.51
ATOM	3458	NE2			155	47.376	37.912	81.278		25.28
ATOM	3459		HIS		155	48.669	37.476	81.135		15.32
ATOM	3460	C C	HIS		155	50.871	35.672	79.468		23.82
ATOM	3461	0	HIS		155	51.437	36.664	79.913		26.73
ATOM	3462	N	TYR		156	50.820	35.411	78.158		12.99
ATOM	3463	CA	TYR		156	51.669	36.173	77.258		17.64
ATOM	3464	CB	TYR		156	51.996	35.306	76.025		17.34
ATOM	3465	CG	TYR		156	50.780	34.829	75.270		14.33
ATOM	3466	CD1	TYR		156	50.206	35.541	74.233	1.00	9.88
ATOM	3467	CE1	TYR		156	49.095	35.057	73.566		17.37
MOTA	3468	CZ	TYR		156	48.537	33.843	73.912		16.91
ATOM	3469	OH	TYR		156	47.427	33.352	73.252		16.15
ATOM	3470	CE2	TYR			49.095	33.107	74.941		16.17
ATOM	3471		TYR			50.202	33.597	75.603		19.17
ATOM	3472	C	TYR			51.099	37.488	76.740		15.11
ATOM	3473	0	TYR			51.731	38.066	75.839		17.69
ATOM	3474	N	TRP			49.973	37.913	77.257		20.44
ATOM		CA	TRP			49.317	39.185	76.948		22.51
	3475					47.941	38.916	76.355		19.87
ATOM	3476	CB CG	TRP TRP			46.985	38.298	77.330		19.72
MOTA	3477	CD1				46.114	38.986	78.133		21.12
ATOM	3478					45.393	38.102	78.898		21.03
ATOM	3479		TRP				36.823	78.596		22.01
MOTA	3480		TRP			45.787	36.910	77.612		21.27
ATOM	3481		TRP			46.788		77.140		15.87
ATOM	3482		TRP			47.353	35.722			21.70
ATOM	3483	CZZ	TRP	R	121	46.911	34.519	77.650	1.00	21.70

MOTA	3484	CH2	TRP	В	157	45.909	34.468	78.629	1.00 22.88
MOTA	3485	CZ2	TRP	В	157	45.339	35.614	79.114	1.00 25.47
MOTA	3486	С	TRP	В	157	49.245	40.010	78.227	1.00 31.95
ATOM	3487	0	TRP	В	157	49.455	39.413	79.292	1.00 26.71
MOTA	3488	N	PRO	В	158	48.992	41.310	78.208	1.00 31.73
MOTA	3489	CA	PRO	В	158	49.055	42.131	79.423	1.00 27.67
ATOM	3490	CB	PRO	В	158	48.882	43.564	78.893	1.00 33.72
MOTA	3491	CG	PRO	В	158	49.181	43.472	77.432	1.00 33.76
ATOM	3492	CD	PRO	В	158	48.645	42.119	77.021	1.00 35.38
MOTA	3493	С	PRO	В	158	47.944	41.845	80.427	1.00 34.39
MOTA	3494	0	PRO	В	158	46.852	41.408	80.064	1.00 43.08
ATOM	3495	N	ALA	В	159	48.213	42.100	81.706	1.00 42.13
ATOM	3496	CA	ALA	В	159	47.276	41.840	82.796	1.00 36.27
MOTA	3497	CB	ALA	В	159	47.929	42.175	84.134	1.00 24.16
ATOM	3498	С	ALA	В	159	45.986	42.624	82.659	1.00 36.43
MOTA	3499	0	ALA		159	44.871	42.160	82.889	1.00 36.44
MOTA	3500	N		В	160	46.124	43.889	82.264	1.00 30.03
ATOM	3501	CA		В	160	44.940	44.748	82.237	1.00 35.84
ATOM	3502	СВ		В	160	44.838	45.506	83.566	1.00 38.86
ATOM	3503	CG	ASP	В	160	46.127	46.268	83.835	1.00 40.84
ATOM	3504			В	160	46.496	47.091	82.969	1.00 44.84
ATOM	3505		ASP		160	46.760	46.038	84.883	1.00 45.44
ATOM	3506	C	ASP		160	45.033	45.682	81.045	1.00 34.03
ATOM	3507	Ö	ASP		160	45.484	45.251	79.981	1.00 35.16
ATOM	3508	N	GLN		161	44.646	46.947	81.174	1.00 31.44
ATOM	3509	CA	GLN		161	44.665	47.795	79.971	1.00 37.31
ATOM	3510	СВ	GLN		161	43.443	48.713	79.958	1.00 48.77
ATOM	3511	CG	GLN		161	42.113	48.002	80.141	1.00 63.63
ATOM	3512	CD	GLN		161	41.545	47.351	78.898	1.00 66.46
ATOM	3513	OE1	GLN		161	41.702	47.819	77.769	1.00 73.28
MOTA	3514	NE2	GLN		161	40.851	46.230	79.085	1.00 44.47
ATOM	3515	C		В	161	45.959	48.574	79.868	1.00 30.80
ATOM	3516	0		В	161	46.164	49.414	78.991	1.00 30.61
ATOM	3517	N	ASP		162	46.927	48.325	80.752	1.00 31.03
ATOM	3518	CA	ASP		162	48.201	49.018	80.507	1.00 39.93
ATOM	3519	CB	ASP	В	162	49.077	49.016	81.756	1.00 50.93
ATOM	3520	CG	ASP		162	49.441	47.616	82.213	1.00 68.18
ATOM	3521		ASP		162	48.998	46.637	81.574	1.00 86.94
ATOM	3522		ASP		162	50.176	47.492	83.218	1.00 99.89
MOTA	3523	C	ASP			48.904	48.357	79.324	1.00 39.36
ATOM	3524	0	ASP			48.627	47.197	79.014	1.00 54.50
ATOM	3525	N	SER		163	49.796	49.081	78.659	1.00 29.38
	3526	CA	SER		163	50.522	48.555	77.510	1.00 24.30
ATOM		CB	SER		163	50.671	49.686	76.476	1.00 24.30
ATOM	3527					51.323	50.772	77.118	1.00 24.27
ATOM	3528	OG C	SER		163	51.887	47.999	77.110	1.00 33.30
ATOM	3529	С	SER		163			78.886	1.00 27.40
ATOM	3530	O N	SER		163	52.500	48.320		1.00 30.33
ATOM	3531	N C7	LEU		164	52.412	47.131	77.004 77.197	
ATOM	3532	CA	LEU		164	53.721	46.549		1.00 23.41
ATOM	3533	CB	LEU		164	53.666	45.205	77.926	1.00 32.71
ATOM	3534	CG	LEU		164	53.276	45.168	79.401	1.00 41.07
ATOM	3535	CDI	LEU	В	164	52.777	43.780	79.796	1.00 39.52

ATOM	3536	CD2	LEU	В	164	54.432	45.565	80.311	1.00 34.59
MOTA	3537	С	LEU	В	164	54.400	46.334	75.839	1.00 19.77
ATOM	3538	0	LEU	B	164	53.727	46.182	74.820	1.00 25.31
ATOM	3539	N	TYR		165	55.717	46.327	75.881	1.00 22.94
						56.537	45.961	74.752	1.00 22.36
ATOM	3540	CA	TYR		165			74.765	1.00 18.40
ATOM	3541	СВ	TYR		165	57.888	46.643		
ATOM	3542	CG	TYR		165	57.974	48.100	74.409	1.00 29.19
MOTA	3543	CD1	TYR		165	57.965	49.067	75.410	1.00 33.88
ATOM	3544	CE1	TYR	В	165	58.049	50.410	75.103	1.00 30.20
ATOM	3545	CZ	TYR	В	165	58.150	50.803	73.792	1.00 29.95
MOTA	3546	ОН	TYR	В	165	58.232	52.144	73.492	1.00 23.81
ATOM	3547	CE2	TYR		165	58.167	49.866	72.780	1.00 32.37
ATOM	3548	CD2	TYR		165	58.082	48.525	73.091	1.00 29.59
	3549	C	TYR		165	56.812	44.448	74.759	1.00 28.65
ATOM						57.094	43.855	75.793	1.00 27.24
ATOM	3550	0	TYR		165			73.562	1.00 27.24
ATOM	3551	N ~-	TYR		166	56.752	43.893		
MOTA	3552	CA	TYR		166	57.169	42.527	73.276	1.00 23.90
ATOM	3553	CB	TYR		166	55.962	41.650	73.008	1.00 20.88
MOTA	3554	CG	TYR			54.973	41.508	74.140	1.00 22.61
MOTA	3555	CD1	TYR	В	166	55.113	40.482	75.076	1.00 21.82
ATOM	3556	CE1	TYR	В	166	54.199	40.362	76.101	1.00 17.08
ATOM	3557	CZ	TYR	В	166	53.148	41.235	76.224	1.00 19.26
ATOM	3558	ОН	TYR	В	166	52.255	41.100	77.248	1.00 19.82
ATOM	3559	CE2	TYR		166	52.976	42.262	75.313	1.00 22.80
ATOM	3560	CD2	TYR		166	53.901	42.367	74.291	1.00 23.91
ATOM	3561	C	TYR		166	58.105	42.598	72.069	1.00 15.01
ATOM	3562	Ō	TYR		166	57.616	42.676	70.943	1.00 23.20
ATOM	3563	N	GLY		167	59.399	42.596	72.328	1.00 23.31
ATOM	3564	CA	GLY		167	60.399	42.819	71.301	1.00 30.99
	3565	CA	GLY		167	60.278	44.237	70.754	1.00 32.92
MOTA		0	GLY		167	60.252	45.223	71.498	1.00 31.28
ATOM	3566					60.195	44.348	69.432	1.00 31.20
ATOM	3567	N	ASP		168				1.00 24.47
ATOM	3568	CA	ASP		168	60.036	45.656	68.810	
MOTA	3569	CB	ASP		168	60.661	45.694	67.414	1.00 35.10
ATOM	3570	CG	ASP		168	62.142	45.378	67.460	1.00 42.09
ATOM	3571		ASP		168	62.723	45.550	68.550	1.00 47.47
MOTA	3572	OD2	ASP	В	168	62.684	44.966	66.414	1.00 47.31
ATOM	3573	С		В	168	58.570	46.022	68.666	1.00 29.02
ATOM	3574	0	ASP	В	168	58.240	46.976	67.967	1.00 37.58
MOTA	3575	N	LEU	В	169	57.674	45.259	69.296	1.00 24.88
ATOM	3576	CA	LEU			56.265	45.583	69.132	1.00 19.15
ATOM	3577	СВ	LEU			55.436	44.377	68.702	1.00 29.37
MOTA	3578	CG	LEU			55.736	43.693	67.375	1.00 33.58
ATOM	3579		LEU			55.206	42.262	67.367	1.00 22.11
ATOM	3580		LEU			55.145	44.492	66.220	1.00 40.24
ATOM	3581	C	LEU			55.705	46.081	70.461	1.00 18.08
			LEU			56.260	45.744	71.498	1.00 30.36
ATOM	3582	O N						70.374	1.00 30.30
ATOM	3583	N	ILE			54.625	46.828		1.00 23.83
MOTA	3584	CA	ILE			53.900	47.229	71.571	
ATOM	3585	CB	ILE			53.947	48.744	71.817	1.00 31.71
ATOM	3586		ILE			53.316	49.167	73.144	1.00 36.34
ATOM	3587	CD1	ILE	В	170	54.269	49.867	74.084	1.00 48.77

MOTA	3588	CG2	ILE	₿	170	53.304	49.482	70.662	1.00 37.89
ATOM	3589	С	ILE	В	170	52.460	46.757	71.433	1.00 30.07
ATOM	3590	0	ILE			51.841	46.853	70.374	1.00 29.12
			LEU		171	51.955	46.223	72.535	1.00 25.46
ATOM	3591	N							
ATOM	3592	CA	LEU		171	50.604	45.701	72.589	1.00 21.46
MOTA	3593	CB	LEU		171	50.612	44.200	72.895	1.00 29.41
MOTA	3594	CG	LEU	В	171	50.226	43.287	71.727	1.00 39.01
ATOM	3595	CD1	LEU	В	171	51.391	43.140	70.758	1.00 43.97
ATOM	3596	CD2	LEU	В	171	49.774	41.940	72.246	1.00 47.22
ATOM	3597	С	LEU		171	49.805	46.423	73.668	1.00 25.20
ATOM	3598	Ö	LEU			50.337	46.746	74.734	1.00 26.76
	3599	N	GLN			48.536	46.660	73.377	1.00 22.79
ATOM			GLN		172	47.630	47.237	74.358	1.00 37.17
ATOM	3600	CA							1.00 40.40
ATOM	3601	CB	GLN		172	47.376	48.734	74.126	
ATOM	3602	CG	GLN		172	46.844	49.424	75.378	1.00 50.87
ATOM	3603	CD	GLN		172	46.684	50.924	75.272	1.00 51.56
MOTA	3604	OE1	GLN	В	172	46.258	51.440	74.240	1.00 46.34
MOTA	3605	NE2	GLN	В	172	47.013	51.651	76.339	1.00 33.78
ATOM	3606	С	GLN	В	172	46.300	46.486	74.342	1.00 38.38
ATOM	3607	0	GLN	В	172	45.611	46.417	73.322	1.00 24.25
ATOM	3608	N		В	173	45.967	45.927	75.511	1.00 30.63
ATOM	3609	CA			173	44.650	45.325	75.643	1.00 25.80
		CB	MET			44.534	44.392	76.853	1.00 20.42
MOTA	3610							76.754	1.00 26.50
ATOM	3611	CG			173	43.257	43.557		
ATOM	3612	SD	MET			43.176	42.237	77.997	1.00 36.50
ATOM	3613	CE	MET			42.811	43.236	79.442	1.00 44.10
ATOM	3614	С	MET	В	173	43.598	46.437	75.729	1.00 38.57
MOTA	3615	0	MET	В	173	43.630	47.252	76.654	1.00 49.37
ATOM	3616	N	LEU	В	174	42.707	46.443	74.754	1.00 32.34
ATOM	3617	CA	LEU	В	174	41.663	47.434	74.587	1.00 32.40
ATOM	3618	СВ	LEU			41.355	47.609	73.093	1.00 27.63
ATOM	3619	CG	LEU			41.749	48.955	72.490	1.00 42.29
MOTA	3620	CD1				42.587	48.766	71.239	1.00 52.03
MOTA	3621	CD2				40.490	49.769	72.215	1.00 46.08
	3622	C	LEU			40.384	47.037	75.305	1.00 41.65
ATOM			LEU			39.616	47.862	75.795	1.00 43.69
ATOM	3623	0						75.328	1.00 43.03
ATOM	3624	N	SER			40.165	45.721		
MOTA	3625	CA	SER			38.911	45.204	75.845	1.00 21.60
MOTA	3626	CB	SER			37.807	45.343	74.801	1.00 21.97
ATOM	3627	OG	SER			37.672	44.133	74.073	1.00 61.12
ATOM	3628	С	SER	В	175	39.059	43.732	76.238	1.00 31.76
ATOM	3629	0	SER	В	175	39.831	43.018	75.598	1.00 21.28
ATOM	3630	N	GLU	В	176	38.305	43.370	77.266	1.00 32.04
MOTA	3631	CA	GLU			38.286	42.031	77.838	1.00 33.85
ATOM	3632	СВ	GLU			39.330	41.927	78.969	1.00 27.59
ATOM	3633	CG	GLU			39.308	40.570	79.654	1.00 29.03
			GLU			40.283	40.373	80.782	1.00 40.65
ATOM	3634	CD OF 1						81.940	1.00 49.86
ATOM	3635	OE1				39.972	40.727		
MOTA	3636	OE2				41.389	39.838	80.534	1.00 40.12
MOTA	3637	C	GLU			36.889	41.675	78.328	1.00 39.65
MOTA	3638	0	GLU			36.400	42.226	79.318	1.00 44.09
ATOM	3639	N	SER	В	177	36.195	40.757	77.654	1.00 38.39

MOTA	3640	CA	SER	В	177	34.858	40.361	78.111	1.00 40.70
ATOM	3641	CB	SER	В	177	33.787	40.649	77.069	1.00 44.75
ATOM	3642	OG	SER		177	33.979	39.939	75.863	1.00 61.24
	3643	C	SER			34.856	38.884	78.518	1.00 38.46
MOTA									1.00 25.34
ATOM	3644	0	SER		177	35.006	37.984	77.695	
MOTA	3645	N	VAL		178	34.692	38.696	79.815	1.00 35.33
MOTA	3646	CA	VAL	В	178	34.780	37.440	80.534	1.00 44.36
ATOM	3647	CB	VAL	В	178	35.355	37.668	81.947	1.00 47.13
ATOM	3648	CG1	VAL	В	178	35.862	36.376	82.570	1.00 47.45
ATOM	3649	CG2	VAL		178	36.477	38.698	81.898	1.00 51.70
ATOM	3650	C	VAL		178	33.419	36.763	80.621	1.00 45.86
	3651	0	VAL		178	32.512	37.204	81.327	1.00 51.44
MOTA						33.283	35.674	79.872	1.00 37.27
MOTA	3652	N	LEU		179				1.00 37.27
ATOM	3653	CA	LEU			32.036	34.908	79.851	
ATOM	3654	CB	LEU		179	31.628	34.661	78.400	1.00 37.51
MOTA	3655	CG	LEU		179	30.834	35.785	77.730	1.00 43.44
MOTA	3656	CD1	LEU	В	179	31.470	37.140	77.989	1.00 54.18
MOTA	3657	CD2	LEU	В	179	30.704	35.528	76.237	1.00 54.36
ATOM	3658	С	LEU	В	179	32.193	33.620	80.645	1.00 34.28
ATOM	3659	0	LEU	В	179	33.309	33.220	81.010	1.00 36.89
ATOM	3660	N	PRO		180	31.101	32.937	80.970	1.00 45.49
ATOM	3661	CA	PRO		180	31.209	31.705	81.756	1.00 42.82
	3662	CB	PRO		180	29.774	31.148	81.733	1.00 47.75
ATOM			PRO			28.932	32.376	81.617	1.00 51.41
ATOM	3663	CG			180				
ATOM	3664	CD	PRO		180	29.695	33.258	80.665	1.00 53.24
MOTA	3665	С	PRO		180	32.153	30.666	81.176	1.00 31.68
ATOM	3666	0	PRO		180	32.821	29.985	81.963	1.00 42.99
MOTA	3667	N	GLU	В	181	32.242	30.482	79.858	1.00 28.10
MOTA	3668	CA	GLU	В	181	33.166	29.435	79.396	1.00 30.70
MOTA	3669	CB	GLU	В	181	32.420	28.305	78.697	1.00 24.19
ATOM	3670	CG	GLU	В	181	31.130	27.923	79.409	1.00 35.82
ATOM	3671	CD	GLU		181	30.054	27.533	78.413	1.00 40.31
MOTA	3672	OE1			181	29.358	28.440	77.912	1.00 49.12
ATOM	3673	OE2			181	29.924	26.323	78.142	1.00 45.80
ATOM	3674	C	GLU		181	34.229	29.976	78.447	1.00 33.02
			GLU		181	35.127	29.240	78.043	1.00 34.02
ATOM	3675	0				34.139	31.254	78.085	1.00 26.28
ATOM	3676	N	TRP		182				1.00 25.54
ATOM	3677	CA		В	182	35.215	31.807	77.263	1.00 25.34
MOTA	3678	CB	TRP		182	35.049	31.542	75.780	
ATOM	3679	CG	TRP			33.799	31.961	75.090	1.00 23.98
ATOM	3680	CD1	TRP	В	182	33.495	33.162	74.507	1.00 27.11
ATOM	3681	NE1	TRP	В	182	32.228	33.126	73.975	1.00 26.38
ATOM	3682	CE2	TRP	В	182	31.689	31.888	74.210	1.00 29.12
MOTA	3683	CD2	TRP	В	182	32.649	31.127	74.905	1.00 25.63
ATOM	3684		TRP			32.372	29.806	75.280	1.00 26.46
ATOM	3685		TRP		182	31.130	29.299	74.938	1.00 31.22
ATOM	3686		TRP		182	30.191	30.079	74.244	1.00 33.39
	3687	CZ2				30.441	31.371	73.869	1.00 31.20
ATOM							33.308	77.529	1.00 31.20
ATOM	3688	C	TRP			35.337			1.00 27.72
MOTA	3689	0	TRP			34.418	33.935	78.055	
ATOM	3690	N	THR			36.493	33.818	77.150	1.00 24.75
MOTA	3691	CA	THR	В	183	36.809	35.234	77.261	1.00 29.67

MOTA	3692	CB	THR	В	183	37.897	35.481	78.320	1.00 36.72
MOTA	3693	OG1	THR	В	183	37.419	35.055	79.606	1.00 30.73
ATOM	3694	CG2	THR	В	183	38.218	36.961	78.455	1.00 25.96
ATOM	3695	С			183	37.263	35.756	75.903	1.00 23.78
ATOM	3696	0			183	38.157	35.191	75.276	1.00 16.05
ATOM	3697	N	ILE			36.649	36.838	75.455	1.00 21.97
	3698	CA	ILE		184	37.110	37.497	74.227	1.00 26.63
ATOM								73.288	1.00 20.03
MOTA	3699	CB	ILE			35.918	37.735		1.00 30.23
ATOM	3700	CG1	ILE		184	35.305	36.415	72.797	
ATOM	3701	CD1	ILE			33.881	36.539	72.305	1.00 36.01
MOTA	3702	CG2	ILE		184	36.293	38.648	72.133	1.00 24.86
ATOM	3703	С	ILE		184	37.843	38.782	74.573	1.00 26.33
ATOM	3704	0	ILE		184	37.296	39.625	75.285	1.00 27.53
MOTA	3705	N	ARG	В	185	39.072	38.936	74.095	1.00 21.56
ATOM	3706	CA	ARG		185	39.876	40.127	74.341	1.00 21.72
ATOM	3707	CB	ARG	В	185	41.151	39.785	75.111	1.00 18.90
MOTA	3708	CG	ARG	В	185	40.884	39.061	76.431	1.00 20.33
ATOM	3709	CD	ARG	В	185	42.207	38.540	76.980	1.00 31.19
ATOM	3710	NE	ARG	В	185	42.119	38.235	78.404	1.00 29.95
ATOM	3711	CZ	ARG	В	185	41.905	37.012	78.867	1.00 30.90
ATOM	3712		ARG	В	185	41.770	36.026	77.993	1.00 28.15
ATOM	3713	NH2	ARG	В	185	41.831	36.768	80.165	1.00 26.93
ATOM	3714	С	ARG		185	40.246	40.824	73.038	1.00 24.49
ATOM	3715	Ö	ARG		185	40.342	40.197	71.990	1.00 22.11
ATOM	3716	N	GLU		186	40.440	42.137	73.098	1.00 23.85
ATOM	3717	CA	GLU		186	40.858	42.852	71.895	1.00 23.99
ATOM	3718	CB	GLU		186	39.831	43.906	71.499	1.00 32.77
ATOM	3719	CG	GLU		186	38.961	43.556	70.303	1.00 49.41
ATOM	3720	CD	GLU		186	38.376	44.815	69.677	1.00 57.85
		OE1	GLU		186	38.831	45.212	68.585	1.00 57.05
ATOM	3721							70.295	1.00 46.66
ATOM	3722	OE2	GLU		186	37.465	45.405		1.00 40.00
ATOM	3723	C	GLU		186	42.215	43.486	72.141	
ATOM	3724	0	GLU		186	42.426	44.138	73.165	1.00 28.24
MOTA	3725	N	PHE		187	43.151	43.295	71.214	1.00 19.91
ATOM	3726	CA	PHE		187	44.452	43.922	71.357	1.00 17.69
MOTA	3727	CB	PHE		187	45.562	42.872	71.461	1.00 24.10
MOTA	3728	CG	PHE		187	45.394	41.859	72.581	1.00 26.73
MOTA	3729	CD1			187	45.114	40.535	72.294	1.00 32.91
ATOM	3730	CE1	PHE			44.967	39.593	73.304	1.00 27.10
MOTA	3731	CZ	PHE			45.089	39.989	74.620	1.00 21.98
MOTA	3732		PHE			45.369	41.308	74.928	1.00 27.08
MOTA	3733	CD2	PHE	В	187	45.539	42.233	73.907	1.00 28.39
MOTA	3734	С	PHE	В	187	44.809	44.842	70.189	1.00 27.70
MOTA	3735	0	PHE	В	187	44.560	44.562	69.019	1.00 24.34
MOTA	3736	N	LYS	В	188	45.446	45.953	70.538	1.00 29.92
MOTA	3737	CA	LYS			46.049	46.816	69.521	1.00 36.57
ATOM	3738	СВ	LYS		188	45.678	48.276	69.774	1.00 42.75
ATOM	3739	CG	LYS		188	46.817	49.269	69.641	1.00 52.83
MOTA	3740	CD	LYS		188	46.349	50.713	69.711	1.00 58.55
ATOM	3741	CE	LYS		188	46.124	51.181	71.139	1.00 59.40
ATOM	3742	NZ	LYS		188	47.298	50.947	72.026	1.00 34.15
ATOM	3743	C	LYS			47.553	46.584	69.518	1.00 30.49
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MOTA	3744	0	LYS	В	188	48.240	46.624	70.539	1.00 22.92
MOTA	3745	N	ILE	В	189	48.136	46.304	68.350	1.00 24.79
ATOM	3746	CA	ILE	В	189	49.581	46.144	68.310	1.00 26.54
ATOM	3747	CB	ILE		189	49.992	44.714	67.933	1.00 29.28
ATOM	3748	CG1	ILE		189	51.461	44.597	67.523	1.00 33.98
		CD1				51.848	43.205	67.067	1.00 52.63
ATOM	3749				189			66.853	1.00 36.95
MOTA	3750	CG2	ILE		189	49.079	44.160		
MOTA	3751	С	ILE		189	50.175	47.152	67.321	1.00 26.97
ATOM	3752	0	ILE		189	49.539	47.447	66.312	1.00 25.84
ATOM	3753	N	CYS	В	190	51.344	47.657	67.659	1.00 32.86
ATOM	3754	CA	CYS	В	190	52.103	48.607	66.874	1.00 31.79
MOTA	3755	CB	CYS	В	190	52.243	49.961	67.577	1.00 35.55
MOTA	3756	SG	CYS	В	190	50.732	50.549	68.369	1.00 48.07
ATOM	3757	С	CYS		190	53.492	48.052	66.576	1.00 32.84
ATOM	3758	0	CYS		190	54.208	47.629	67.478	1.00 29.87
ATOM	3759	N	GLY		191	53.858	48.065	65.295	1.00 35.69
ATOM	3760	CA	GLY		191	55.151	47.519	64.910	1.00 46.05
	3761	C	GLY		191	55.917	48.502	64.045	1.00 51.49
ATOM			GLY		191	55.540	49.677	64.025	1.00 57.04
ATOM	3762	0						63.353	1.00 57.04
ATOM	3763	N	GLU		192	56.944	48.025		
ATOM	3764	CA	GLU		192	57.794	48.872	62.522	1.00 71.96
ATOM	3765	CB	GLU		192	58.741	48.013	61.681	1.00 79.49
MOTA	3766	CG	GLU		192	60.088	48.655	61.399	1.00 83.42
ATOM	3767	CD	GLU		192	61.126	48.395	62.472	1.00 90.04
ATOM	3768	OE1	GLU	В	192	60.759	48.211	63.654	1.00 98.44
ATOM	3769		GLU	В	192	62.329	48.371	62.130	1.00 89.90
MOTA	3770	С	GLU	В	192	56.969	49.797	61.622	1.00 79.73
MOTA	3771	0	GLU	В	192	57.359	50.943	61.396	1.00 81.84
MOTA	3772	N	GLU	В	193	55.861	49.274	61.154	1.00 88.39
ATOM	3773	CA	GLU	В	193	54.815	49.806	60.317	1.00 96.64
ATOM	3774	CB	GLU	В	193	54.932	51.307	60.055	1.00 98.26
ATOM	3775	CG	GLU	В	193	53.693	51.905	59.401	1.00 98.54
ATOM	3776	CD	GLU		193	53.567	53.404	59.562	1.00 97.01
MOTA	3777		GLU		193	52.688	53.853	60.336	1.00 83.43
ATOM	3778		GLU		193	54.330	54.154	58.911	1.00 98.66
ATOM	3779	C	GLU		193	54.823	49.030	58.991	1.00102.76
ATOM	3780	0	GLU		193	54.656	49.612	57.926	1.00116.30
			GLN		194	55.029	47.726	59.137	1.00102.86
ATOM	3781	N C7	GLN		194	55.067	46.786	58.022	1.00102.00
ATOM	3782	CA						58.544	1.00 94.78
ATOM	3783	CB	GLN				45.351		1.00 94.78
MOTA	3784	CG	GLN			56.548	44.913	58.944	
ATOM	3785	CD	GLN		194	57.076	45.627	60.173	1.00 89.36
MOTA	3786		GLN			56.393	46.444	60.792	1.00 75.86
MOTA	3787	NE2	GLN		194	58.314	45.317	60.547	1.00 97.42
MOTA	3788	С	GLN	В	194	53.848	46.979	57.135	1.00100.06
ATOM	3789	0	GLN	В	194	53.618	48.060	56.588	1.00106.59
ATOM	3790	N	LEU	В	195	53.019	45.946	56.971	1.00 96.75
ATOM	3791	CA	LEU		195	51.800	46.199	56.191	1.00 92.05
ATOM	3792	CB	LEU		195	51.420	44.991	55.342	1.00 85.63
MOTA	3793	CG	LEU		195	51.792	45.085	53.856	1.00 78.28
ATOM	3794		LEU			53.216	44.593	53.634	1.00 84.54
ATOM	3795		LEU			50.811	44.310	52.989	1.00 43.11
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ATOM	3796	С	LEU E	195	50.684	46.623	57.141	1.00 93.25
ATOM	3797	0	LEU E	195	49.499	46.559	56.823	1.00106.23
ATOM	3798	N	ASP E	196	51.100	47.071	58.323	1.00 88.54
ATOM	3799	CA	ASP E	196	50.208	47.654	59.311	1.00 85.36
MOTA	3800	СВ	ASP E		49.937	46.706	60.472	1.00 77.13
ATOM	3801	CG	ASP E		50.263	45.256	60.196	1.00 69.71
ATOM	3802	OD1	ASP E		51.435	44.924	59.922	1.00 56.81
			ASP E		49.318	44.442	60.267	1.00 49.34
ATOM	3803		ASP E		50.795	48.962	59.853	1.00 86.61
ATOM	3804	С					59.771	1.00 72.64
MOTA	3805	0	ASP E		52.000	49.194		1.00 72.64
ATOM	3806	N	ALA E		49.924	49.797	60.398	
MOTA	3807	CA	ALA E		50.287	51.051	61.042	1.00 89.69
ATOM	3808	CB	ALA E		50.135	52.222	60.096	1.00 83.48
ATOM	3809	С	ALA E		49.426	51.223	62.302	1.00 94.67
ATOM	3810	0	ALA E	197	49.317	52.318	62.843	1.00100.04
ATOM	3811	N	HIS E		48.864	50.096	62.692	1.00 93.88
MOTA	3812	CA	HIS E	198	47.955	49.838	63.785	1.00 88.36
ATOM	3813	СВ	HIS E	198	47.173	51.099	64.161	1.00 92.99
MOTA	3814	CG	HIS E	198	45.965	50.823	64.998	1.00104.14
ATOM	3815	ND1	HIS E	198	46.045	50.478	66.329	1.00108.50
ATOM	3816	CE1	HIS E	198	44.830	50.292	66.813	1.00111.40
ATOM	3817		HIS E		43.960	50.506	65.840	1.00112.45
ATOM	3818		HIS E		44.647	50.839	64.696	1.00109.03
MOTA	3819	C	HIS E		46.988	48.711	63.416	1.00 81.60
ATOM	3820	Ö	HIS E		46.100	48.902	62.581	1.00 85.74
ATOM	3821	N	ARG E		47.151	47.537	64.020	1.00 68.93
ATOM	3822	CA	ARG E		46.278	46.398	63.754	1.00 51.46
	3823	CB	ARG E		47.089	45.192	63.265	1.00 49.03
ATOM			ARG E		46.204	44.080	62.716	1.00 46.46
ATOM	3824	CG				42.775	62.585	1.00 51.43
ATOM	3825	CD	ARG E		46.953			1.00 58.26
MOTA	3826	NE	ARG E		48.202	42.873	61.850	1.00 57.04
ATOM	3827	CZ	ARG E		49.185	41.980	61.891	1.00 37.04
ATOM	3828	NH1			49.068	40.896	62.649	
MOTA	3829		ARG E		50.288	42.168	61.174	1.00 39.20
MOTA	3830	С	ARG E		45.464	46.004	64.987	1.00 33.01
MOTA	3831	0	ARG E		45.928	46.200	66.112	1.00 29.63
MOTA	3832	N	LEU E		44.268	45.459	64.781	1.00 24.89
MOTA	3833	CA	LEU E		43.422	45.004	65.880	1.00 27.88
MOTA	3834	CB	LEU E		42.010	45.570	65.783	1.00 34.27
ATOM	3835	CG	LEU E	200		46.288	67.047	
MOTA	3836	CD1	LEU E	200	41.605	45.366	68.249	1.00 45.77
ATOM	3837	CD2	LEU E	200	42.333	47.553	67.292	1.00 51.38
ATOM	3838	С	LEU E	200	43.353	43.477	65.913	1.00 30.00
ATOM	3839	0	LEU E	200	42.871	42.868	64.959	1.00 32.82
MOTA	3840	N	ILE E	201	43.834	42.882	67.003	1.00 28.87
ATOM	3841	CA	ILE E		43.821	41.425	67.118	1.00 24.18
ATOM	3842	СВ	ILE E		45.174	40.900	67.623	1.00 24.29
ATOM	3843		ILE E		46.350	41.222	66.696	1.00 28.49
ATOM	3844		ILE E		45.941	41.124	65.247	1.00 39.78
ATOM	3845		ILE E		45.105	39.401	67.873	1.00 25.71
ATOM	3846	CG2	ILE E		42.717	40.972	68.059	1.00 22.16
MOTA	3847	0	ILE E		42.640	41.494	69.168	1.00 23.92
AION	JU4/		۱ نابید	, 2.UI	.2.010	17.4272	33.100	

MOTA	3848	N	ARG	В	202	41.883	40.037	67.647	1.00 18.44
MOTA	3849	CA	ARG	В	202	40.849	39.447	68.478	1.00 22.50
MOTA	3850	CB	ARG	В	202	39.585	39.119	67.693	1.00 33.06
ATOM	3851	CG	ARG		202	38.305	39.726	68.233	1.00 52.62
MOTA	3852	CD	ARG		202	37.344	40.048	67.098	1.00 66.81
					202	36.728	41.358	67.260	1.00 75.75
MOTA	3853	NE	ARG						
ATOM	3854	CZ	ARG		202	37.372	42.512	67.362	1.00 85.03
MOTA	3855		ARG		202	38.698	42.553	67.322	1.00 98.51
ATOM	3856	NH2	ARG		202	36.677	43.635	67.506	1.00 92.03
ATOM	3857	С	ARG	В	202	41.359	38.141	69.099	1.00 26.96
MOTA	3858	0	ARG	В	202	41.955	37.319	68.410	1.00 18.58
MOTA	3859	N	HIS	В	203	41.120	37.977	70.384	1.00 28.22
ATOM	3860	CA	HIS		203	41.595	36.823	71.148	1.00 23.47
MOTA	3861	CB	HIS		203	42.637	37.287	72.150	1.00 18.39
ATOM	3862	CG	HIS	В	203	43.392	36.213	72.850	1.00 20.01
				В	203	42.935	35.618	73.999	1.00 22.68
ATOM	3863	ND1						74.400	1.00 22.72
MOTA	3864	CE1	HIS		203	43.797	34.707		
ATOM	3865			В	203	44.809	34.694	73.548	1.00 18.58
ATOM	3866	CD2			203	44.580	35.624	72.563	1.00 22.68
MOTA	3867	С	HIS	В	203	40.398	36.148	71.813	1.00 23.95
ATOM	3868	0	HIS	В	203	39.651	36.785	72.562	1.00 18.73
MOTA	3869	N	PHE	В	204	40.248	34.876	71.479	1.00 17.03
ATOM	3870	CA	PHE	В	204	39.161	33.994	71.840	1.00 16.70
ATOM	3871	СВ	PHE	В	204	38.534	33.311	70.614	1.00 22.28
ATOM	3872	CG	PHE		204	38.026	34.329	69.604	1.00 24.33
ATOM	3873	CD1			204	38.876	34.813	68.622	1.00 22.40
ATOM	3874	CE1	PHE		204	38.411	35.764	67.735	1.00 18.80
						37.103	36.205	67.847	1.00 19.32
ATOM	3875	CZ	PHE		204			68.811	1.00 25.22
ATOM	3876	CE2			204	36.244	35.727		
MOTA	3877		PHE		204	36.716	34.768	69.694	1.00 26.02
MOTA	3878	С	PHE		204	39.702	32.924	72.788	1.00 22.01
MOTA	3879	0	PHE		204	40.366	31.995	72.324	1.00 24.15
ATOM	3880	N	HIS	В	205	39.416	33.083	74.068	1.00 17.87
MOTA	3881	CA	HIS	В	205	40.000	32.212	75.077	1.00 18.30
MOTA	3882	CB	HIS	В	205	40.620	33.068	76.193	1.00 17.58
MOTA	3883	CG	HIS	В	205	41.469	32.282	77.137	1.00 20.30
MOTA	3884	ND1	HIS	В	205	41.954	32.812	78.310	1.00 22.02
ATOM	3885	CE1	HIS		205	42.670	31.902	78.946	1.00 21.93
ATOM	3886		HIS		205	42.663	30.786	78.227	1.00 22.68
MOTA	3887		HIS			41.915	31.001	77.092	1.00 15.40
ATOM	3888	C	HIS			38.958	31.270	75.658	1.00 23.56
	3889	0	HIS			38.102	31.697	76.438	1.00 19.47
ATOM								75.287	1.00 18.88
MOTA	3890	N	TYR			39.032	29.996		
MOTA	3891	CA	TYR			38.073	29.022	75.836	1.00 22.05
ATOM	3892	CB	TYR			37.855	27.895	74.846	1.00 20.72
MOTA	3893	CG	TYR			36.757	26.923	75.209	1.00 18.73
MOTA	3894	CD1				35.420	27.266	75.039	1.00 20.87
MOTA	3895	CE1	TYR	В	206	34.413	26.376	75.372	1.00 26.51
MOTA	3896	CZ	TYR	В	206	34.752	25.135	75.870	1.00 28.96
ATOM	3897	ОН	TYR	В	206	33.753	24.244	76.205	1.00 33.83
ATOM	3898		TYR			36.067	24.773	76.049	1.00 30.27
ATOM	3899		TYR			37.073	25.671	75.719	1.00 28.39
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ATOM 3900 C TYR B 206 38.613 28.499 77.156 1.00 24.76 ATOM 3901 O TYR B 206 39.717 27.943 77.181 1.00 19.6 ATOM 3902 N THR B 207 38.587 28.679 78.261 1.00 20.66 ATOM 3903 CA THR B 207 38.584 28.426 79.533 1.00 20.59 ATOM 3904 CB THR B 207 38.584 28.426 79.533 1.00 20.59 ATOM 3905 OG1 THR B 207 38.984 29.179 80.263 1.00 20.08 ATOM 3906 CG2 THR B 207 39.198 30.803 80.141 1.00 30.98 ATOM 3907 C THR B 207 38.684 27.179 80.263 1.00 23.82 ATOM 3908 O THR B 207 38.488 27.179 80.263 1.00 23.82 ATOM 3908 O THR B 208 36.825 25.167 80.402 1.00 28.68 ATOM 3910 CA VAL B 208 36.825 25.167 80.402 1.00 28.68 ATOM 3911 CB VAL B 208 35.322 25.266 80.749 1.00 27.30 ATOM 3912 CG1 VAL B 208 35.465 25.241 79.494 1.00 27.40 ATOM 3913 CG2 VAL B 208 36.465 25.241 79.494 1.00 27.40 ATOM 3914 C VAL B 208 36.255 23.743 79.031 1.00 26.26 ATOM 3915 O VAL B 208 36.255 23.743 79.031 1.00 30.84 ATOM 3916 N TRP B 209 38.657 22.486 78.991 1.00 24.69 ATOM 3918 CB TRP B 209 38.657 22.486 78.991 1.00 24.69 ATOM 3919 CG TRP B 209 38.657 22.486 78.991 1.00 24.69 ATOM 3919 CG TRP B 209 39.163 21.465 76.068 1.00 24.30 ATOM 3920 CD1 TRP B 209 39.676 22.685 76.918 1.00 24.69 ATOM 3921 NEI TRP B 209 39.526 19.394 75.229 1.00 27.16 ATOM 3922 CE2 TRP B 209 39.278 20.210 74.148 1.00 24.59 ATOM 3922 CE2 TRP B 209 39.278 20.210 74.148 1.00 24.59 ATOM 3923 CD2 TRP B 209 39.286 19.917 72.782 1.00 25.16 ATOM 3924 CE2 TRP B 209 39.286 19.917 72.782 1.00 35.51 ATOM 3925 CB2 TRP B 209 39.286 19.917 72.782 1.00 24.50 ATOM 3926 CB2 TRP B 209 39.286 19.917 72.782 1.00 24.50 ATOM 3930 C PRO B 210 41.871 19.688 1.00 24.70 ATOM 3930 C PRO B 210 41.871 19.688 1.00 24.70 ATOM 3931 CA SRP B 211 44.813 19.909 79.099 1.00 26.56 ATOM 3931 CA SRP B 211 44.818 19.909 79.038 1.00 24.25 ATOM 3933 CA SRP B 211 44.818 19.909 79.038 1.00 24.55 ATOM 3934 CB RNB B 211 44.818 19.909 79.038 1.00 24.55 ATOM 3935 C BRO B 210 41.871 19.688 19.917 79.299 1.00 26.69 ATOM 3937 C BRO B 210 41.871 19.648 79.668 1.00 24.70 ATOM 3938 CA SRP B 211 44.8264 17.881 79.926 1.00 24.69 ATOM 3934 CB RNB B										
ATOM	ATOM	3900	С	TYR	В	206	38.613	28.499	77.156	1.00 24.76
ATOM	ATOM	3901	0	TYR	В	206	39.717	27.943	77.181	1.00 19.80
ATOM	ATOM	3902	N	THR	В	207	37.887	28.679	78.261	1.00 20.66
ATOM         3904         CB         THR B 207         38.343         29.630         80.477         1.00         23.62           ATOM         3905         GCZ         THR B 207         36.964         30.008         80.399         1.00         20.08           ATOM         3906         GCZ         THR B 207         38.084         27.179         80.263         1.00         23.84           ATOM         3909         N         VAL B 208         37.542         26.345         79.643         1.00         23.84           ATOM         3910         CA         VAL B 208         36.825         25.167         80.402         1.00         28.06           ATOM         3911         CB         VAL B 208         35.322         25.266         80.749         1.00         27.30           ATOM         3913         CGZ         VAL B 208         34.465         25.241         79.494         1.00         27.40           ATOM         3915         O         VAL B 208         36.320         22.909         79.773         1.00         36.26           ATOM         3916         C         TRP B 209         38.657         22.465         76.918         1.00         24.65		3903	CA			207		28.426	79.533	1.00 20.59
ATOM 3906 CG2 THR B 207										
ATOM 3906										
ATOM 3908 C THR B 207										
ATOM         3908         O         THR         B         207         38.498         26.972         81.414         1.00         22.22           ATOM         39010         CA         VAL         B         208         37.254         26.345         79.643         1.00         23.82           ATOM         3911         CB         VAL         B         208         35.322         25.266         80.749         1.00         27.30           ATOM         3912         CG1         VAL         B         208         35.374         26.517         81.590         1.00         27.30           ATOM         3913         CG2         VAL         B         208         37.116         23.851         79.698         1.00         30.84           ATOM         3916         N         TRP         B         209         38.657         22.486         78.391         1.00         24.69           ATOM         3916         CA         TRP         B         209         38.657         22.486         78.391         1.00         24.69           ATOM         3912         CA         TRP         B         209         39.163         21.465         76.968 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										
ATOM 3919 N VAL B 208 37.254 26.345 79.643 1.00 23.82 ATOM 3910 CA VAL B 208 36.825 25.167 80.402 1.00 28.06 ATOM 3911 CB VAL B 208 35.322 25.266 80.749 1.00 27.30 ATOM 3912 CG1 VAL B 208 35.322 25.266 80.749 1.00 27.30 ATOM 3913 CG2 VAL B 208 35.074 26.517 81.590 1.00 32.43 ATOM 3913 CG2 VAL B 208 37.116 23.851 79.698 1.00 30.84 ATOM 3915 O VAL B 208 37.116 23.851 79.698 1.00 30.84 ATOM 3915 O VAL B 208 36.320 22.909 79.773 1.00 35.95 ATOM 3916 N TRP B 209 38.255 23.743 79.698 1.00 24.69 ATOM 3917 CA TRP B 209 38.657 22.486 78.391 1.00 24.69 ATOM 3918 CB TRP B 209 38.976 22.685 76.918 1.00 30.19 ATOM 3919 CG TRP B 209 39.163 21.465 76.068 1.00 24.30 ATOM 3920 CD1 TRP B 209 39.449 20.169 76.361 1.00 24.30 ATOM 3921 NEI TRP B 209 39.526 19.394 75.229 1.00 27.16 ATOM 3922 CE2 TRP B 209 39.278 20.210 74.148 1.00 34.57 ATOM 3923 CD2 TRP B 209 39.278 20.210 74.148 1.00 34.57 ATOM 3924 CE3 TRP B 209 39.278 20.210 74.148 1.00 24.70 ATOM 3925 CZ3 TRP B 209 39.278 20.210 74.148 1.00 24.70 ATOM 3925 CZ3 TRP B 209 38.768 22.558 73.746 1.00 23.58 ATOM 3926 CH2 TRP B 209 39.278 20.210 74.148 1.00 24.70 ATOM 3925 CZ3 TRP B 209 38.768 22.558 73.746 1.00 24.70 ATOM 3926 CH2 TRP B 209 39.278 20.210 74.148 1.00 24.70 ATOM 3925 CZ3 TRP B 209 38.768 22.558 73.746 1.00 24.70 ATOM 3926 CH2 TRP B 209 39.278 20.210 74.148 1.00 24.70 ATOM 3926 CH2 TRP B 209 39.278 20.210 74.148 1.00 24.70 ATOM 3926 CH2 TRP B 209 39.899 21.934 79.099 1.00 26.95 ATOM 3926 CH2 TRP B 209 39.278 20.210 74.148 1.00 24.70 ATOM 3926 CH2 TRP B 209 39.899 21.934 79.099 1.00 26.95 ATOM 3927 CZ2 TRP B 209 39.899 21.934 79.099 1.00 26.95 ATOM 3929 O TRP B 209 39.899 21.934 79.099 1.00 26.96 ATOM 3930 CB PRO B 210 39.733 20.881 79.896 1.00 22.71 ATOM 3933 CB PRO B 210 39.733 20.881 79.896 1.00 22.71 ATOM 3933 CB PRO B 210 39.733 20.881 79.896 1.00 22.10 ATOM 3934 CD PRO B 210 34.484 1.831 19.090 79.209 1.00 22.10 ATOM 3934 CD PRO B 210 34.484 1.831 19.090 79.209 1.00 22.10 ATOM 3934 CD PRO B 210 41.475 19.064 78.662 1.00 34.64 ATOM 3934 CD ASP B 211 44.183 19.090 79										
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ATOM 3919 CG TRP B 209 39.449 20.169 76.361 1.00 24.30 ATOM 3920 CD1 TRP B 209 39.449 20.169 76.361 1.00 26.73 ATOM 3921 NE1 TRP B 209 39.526 19.394 75.229 1.00 27.16 ATOM 3922 CE2 TRP B 209 39.278 20.210 74.148 1.00 34.57 ATOM 3923 CD2 TRP B 209 39.048 21.513 74.632 1.00 23.58 ATOM 3924 CE3 TRP B 209 38.768 22.558 73.746 1.00 24.70 ATOM 3925 CZ3 TRP B 209 38.768 22.558 73.746 1.00 24.70 ATOM 3926 CH2 TRP B 209 38.731 22.256 72.395 1.00 35.51 ATOM 3927 CZ2 TRP B 209 38.731 22.256 72.395 1.00 35.51 ATOM 3928 C TRP B 209 39.236 19.917 72.782 1.00 32.65 ATOM 3928 C TRP B 209 39.236 19.917 72.782 1.00 32.65 ATOM 3929 O TRP B 209 39.889 21.934 79.099 1.00 26.90 ATOM 3929 O TRP B 209 39.889 21.934 79.099 1.00 26.90 ATOM 3931 CA PRO B 210 39.733 20.881 79.886 1.00 30.43 ATOM 3931 CA PRO B 210 40.872 20.308 80.611 1.00 22.74 ATOM 3933 CB PRO B 210 40.872 20.308 80.611 1.00 22.74 ATOM 3933 CG PRO B 210 38.776 19.517 81.488 1.00 31.27 ATOM 3935 C PRO B 210 40.872 20.308 80.611 1.00 27.01 ATOM 3935 C PRO B 210 41.871 19.648 79.668 1.00 22.10 ATOM 3937 N ASP B 211 43.153 19.724 80.001 1.00 15.18 ATOM 3938 CA ASP B 211 43.153 19.724 80.001 1.00 15.18 ATOM 3939 CB ASP B 211 44.183 19.090 79.209 1.00 21.45 ATOM 3940 CG ASP B 211 44.881 19.090 79.209 1.00 21.45 ATOM 3940 CD ASP B 211 44.881 19.300 79.138 1.00 34.33 ATOM 3940 CG ASP B 211 44.891 19.300 79.138 1.00 25.77 ATOM 3941 OD1 ASP B 211 46.648 19.134 78.790 1.00 25.77 ATOM 3943 CA ASP B 211 46.648 19.134 78.790 1.00 25.77 ATOM 3944 O ASP B 211 46.681 18.819 77.638 1.00 25.77 ATOM 3944 O ASP B 211 44.254 17.081 77.638 1.00 25.77 ATOM 3945 CA HIS B 212 44.254 17.081 77.858 1.00 24.098 ATOM 3944 O ASP B 211 44.254 17.081 77.868 1.00 24.098 ATOM 3945 CB HIS B 212 44.264 17.070 78.328 1.00 22.05 ATOM 3948 CG HIS B 212 44.264 17.707 78.527 1.00 23.98	ATOM	3917	CA	TRP	В	209	38.657	22.486	78.391	
ATOM 3920 CD1 TRP B 209 39.449 20.169 76.361 1.00 26.73 ATOM 3921 NE1 TRP B 209 39.526 19.394 75.229 1.00 27.16 ATOM 3922 CE2 TRP B 209 39.278 20.210 74.148 1.00 34.57 ATOM 3923 CD2 TRP B 209 39.048 21.513 74.632 1.00 23.58 ATOM 3924 CE3 TRP B 209 38.768 22.558 73.746 1.00 24.70 ATOM 3925 CZ3 TRP B 209 38.768 22.556 72.395 1.00 35.51 ATOM 3926 CH2 TRP B 209 38.731 22.256 72.395 1.00 35.51 ATOM 3927 CZ2 TRP B 209 39.236 19.917 72.782 1.00 32.65 ATOM 3928 C TRP B 209 39.889 21.934 79.099 1.00 26.90 ATOM 3929 O TRP B 209 39.889 21.934 79.099 1.00 26.90 ATOM 3930 N PRO B 210 39.733 20.881 79.886 1.00 24.25 ATOM 3931 CA PRO B 210 39.733 20.881 79.886 1.00 30.43 ATOM 3932 CB PRO B 210 38.776 19.517 81.488 1.00 31.27 ATOM 3933 CG PRO B 210 38.776 19.517 81.488 1.00 27.01 ATOM 3934 CD PRO B 210 38.776 19.517 81.488 1.00 27.01 ATOM 3935 C PRO B 210 41.871 19.648 79.668 1.00 27.01 ATOM 3937 N ASP B 211 43.153 19.724 80.001 1.00 27.01 ATOM 3938 CA ASP B 211 43.153 19.724 80.001 1.00 15.18 ATOM 3939 CB ASP B 211 44.183 19.090 79.209 1.00 21.45 ATOM 3930 CG ASP B 211 44.183 19.090 79.209 1.00 21.45 ATOM 3934 CD ASP B 211 44.183 19.090 79.209 1.00 26.69 ATOM 3940 CG ASP B 211 46.648 19.134 78.790 1.00 26.69 ATOM 3940 CG ASP B 211 46.281 18.819 77.638 1.00 34.33 ATOM 3941 OD1 ASP B 211 46.281 18.819 77.638 1.00 34.33 ATOM 3944 O ASP B 211 44.820 19.370 79.138 1.00 34.33 ATOM 3944 O ASP B 211 44.820 19.370 79.138 1.00 34.33 ATOM 3944 O ASP B 211 44.820 19.370 79.138 1.00 25.77 ATOM 3945 N HIS B 212 44.254 17.081 77.868 1.00 22.05 ATOM 3944 CB HIS B 212 44.264 17.081 77.868 1.00 22.05 ATOM 3947 CB HIS B 212 44.864 14.770 78.328 1.00 22.05 ATOM 3948 CG HIS B 212 44.864 14.770 78.328 1.00 22.05 ATOM 3948 CG HIS B 212 44.864 14.770 78.328 1.00 22.05 ATOM 3948 CG HIS B 212 44.866 15.247 78.527 1.00 23.98	ATOM	3918	CB	TRP	В	209	38.976	22.685	76.918	1.00 30.19
ATOM 3921 NE1 TRP B 209 39.526 19.394 75.229 1.00 27.16 ATOM 3922 CE2 TRP B 209 39.278 20.210 74.148 1.00 34.57 ATOM 3923 CD2 TRP B 209 39.048 21.513 74.632 1.00 23.58 ATOM 3924 CE3 TRP B 209 38.768 22.558 73.746 1.00 24.70 ATOM 3925 CZ3 TRP B 209 38.768 22.558 73.746 1.00 24.70 ATOM 3926 CH2 TRP B 209 38.731 22.256 72.395 1.00 35.51 ATOM 3927 CZ2 TRP B 209 38.964 20.951 71.930 1.00 33.08 ATOM 3927 CZ2 TRP B 209 39.236 19.917 72.782 1.00 32.65 ATOM 3928 C TRP B 209 39.889 21.934 79.099 1.00 26.90 ATOM 3929 O TRP B 209 40.981 22.462 78.880 1.00 24.25 ATOM 3931 CA PRO B 210 39.733 20.881 79.886 1.00 30.43 ATOM 3932 CB PRO B 210 40.241 19.228 81.492 1.00 22.74 ATOM 3933 CG PRO B 210 38.776 19.517 81.488 1.00 31.27 ATOM 3935 C PRO B 210 38.486 20.136 80.147 1.00 27.01 ATOM 3936 O PRO B 210 41.871 19.648 79.668 1.00 22.10 ATOM 3937 N ASP B 211 43.153 19.724 80.001 1.00 15.18 ATOM 3938 CA ASP B 211 44.4183 19.090 79.209 1.00 26.69 ATOM 3939 CB ASP B 211 44.4183 19.090 79.209 1.00 26.69 ATOM 3934 CO ASP B 211 44.6648 19.134 78.790 1.00 26.69 ATOM 3940 CG ASP B 211 44.6648 19.134 78.790 1.00 26.69 ATOM 3941 OD1 ASP B 211 44.6648 19.134 78.790 1.00 26.69 ATOM 3943 C ASP B 211 44.6648 19.134 78.790 1.00 26.69 ATOM 3944 O ASP B 211 44.6648 19.134 78.790 1.00 26.69 ATOM 3945 N HIS B 212 44.020 19.370 79.138 1.00 34.33 ATOM 3945 N HIS B 212 44.020 19.370 79.138 1.00 34.69 ATOM 3946 CA HIS B 212 44.020 15.705 77.459 1.00 28.43 ATOM 3947 CB HIS B 212 44.020 15.705 77.459 1.00 29.07 ATOM 3948 CG HIS B 212 44.020 15.705 77.459 1.00 29.07	ATOM	3919	CG	TRP	В	209	39.163	21.465	76.068	1.00 24.30
ATOM 3922 CE2 TRP B 209 39.278 20.210 74.148 1.00 34.57 ATOM 3923 CD2 TRP B 209 39.048 21.513 74.632 1.00 23.58 ATOM 3924 CE3 TRP B 209 38.768 22.558 73.746 1.00 24.70 ATOM 3925 CZ3 TRP B 209 38.768 22.556 72.395 1.00 35.51 ATOM 3926 CH2 TRP B 209 38.964 20.951 71.930 1.00 33.08 ATOM 3927 CZ2 TRP B 209 39.236 19.917 72.782 1.00 32.65 ATOM 3928 C TRP B 209 39.889 21.934 79.099 1.00 26.90 ATOM 3929 O TRP B 209 39.889 21.934 79.099 1.00 26.90 ATOM 3930 N PRO B 210 39.733 20.881 79.886 1.00 30.43 ATOM 3931 CA PRO B 210 40.872 20.308 80.611 1.00 22.74 ATOM 3932 CB PRO B 210 40.241 19.228 81.492 1.00 26.14 ATOM 3933 CG PRO B 210 38.776 19.517 81.488 1.00 31.27 ATOM 3934 CD PRO B 210 38.776 19.517 81.488 1.00 27.01 ATOM 3935 C PRO B 210 41.871 19.648 79.668 1.00 22.10 ATOM 3937 N ASP B 211 41.871 19.648 79.668 1.00 22.10 ATOM 3938 CA ASP B 211 44.183 19.090 79.209 1.00 26.69 ATOM 3939 CB ASP B 211 44.183 19.090 79.209 1.00 26.69 ATOM 3934 C ASP B 211 44.183 19.090 79.209 1.00 26.69 ATOM 3940 CG ASP B 211 46.648 19.134 78.790 1.00 26.69 ATOM 3941 OD1 ASP B 211 46.648 19.134 78.790 1.00 26.69 ATOM 3943 C ASP B 211 46.648 19.134 78.790 1.00 26.69 ATOM 3944 O ASP B 211 46.648 19.134 78.790 1.00 26.69 ATOM 3945 N HIS B 212 44.254 17.081 77.868 1.00 34.63 ATOM 3945 N HIS B 212 44.254 17.081 77.868 1.00 34.63 ATOM 3946 CA HIS B 212 44.254 17.081 77.868 1.00 34.63 ATOM 3947 CB HIS B 212 44.254 17.081 77.859 1.00 29.07 ATOM 3947 CB HIS B 212 44.254 17.081 77.859 1.00 29.07 ATOM 3947 CB HIS B 212 44.254 17.081 77.859 1.00 29.07	ATOM	3920	CD1	TRP	В	209	39.449	20.169	76.361	1.00 26.73
ATOM 3922 CE2 TRP B 209 39.278 20.210 74.148 1.00 34.57 ATOM 3923 CD2 TRP B 209 39.048 21.513 74.632 1.00 23.58 ATOM 3924 CE3 TRP B 209 38.768 22.558 73.746 1.00 24.70 ATOM 3925 CZ3 TRP B 209 38.768 22.556 72.395 1.00 35.51 ATOM 3926 CH2 TRP B 209 38.964 20.951 71.930 1.00 33.08 ATOM 3927 CZ2 TRP B 209 39.236 19.917 72.782 1.00 32.65 ATOM 3928 C TRP B 209 39.889 21.934 79.099 1.00 26.90 ATOM 3929 O TRP B 209 39.889 21.934 79.099 1.00 26.90 ATOM 3930 N PRO B 210 39.733 20.881 79.886 1.00 30.43 ATOM 3931 CA PRO B 210 40.872 20.308 80.611 1.00 22.74 ATOM 3932 CB PRO B 210 40.241 19.228 81.492 1.00 26.14 ATOM 3933 CG PRO B 210 38.776 19.517 81.488 1.00 31.27 ATOM 3935 C PRO B 210 38.486 20.136 80.147 1.00 27.01 ATOM 3935 C PRO B 210 41.871 19.648 79.668 1.00 22.10 ATOM 3937 N ASP B 211 41.871 19.648 79.668 1.00 22.10 ATOM 3937 N ASP B 211 44.183 19.090 79.209 1.00 21.45 ATOM 3939 CB ASP B 211 44.183 19.090 79.209 1.00 21.86 ATOM 3934 CG ASP B 211 44.183 19.090 79.209 1.00 21.86 ATOM 3934 CG ASP B 211 46.648 19.134 78.790 1.00 26.69 ATOM 3940 CG ASP B 211 46.648 19.134 78.790 1.00 26.69 ATOM 3941 OD1 ASP B 211 46.648 19.134 78.790 1.00 26.69 ATOM 3943 C ASP B 211 46.648 19.134 78.790 1.00 26.69 ATOM 3943 C ASP B 211 46.648 19.134 78.790 1.00 26.69 ATOM 3944 O ASP B 211 44.891 17.600 79.038 1.00 40.98 ATOM 3945 N HIS B 212 44.254 17.081 77.868 1.00 34.69 ATOM 3945 N HIS B 212 44.254 17.081 77.868 1.00 34.69 ATOM 3945 CA HIS B 212 44.254 17.081 77.868 1.00 34.69 ATOM 3945 CB HIS B 212 44.254 17.081 77.859 1.00 29.07 ATOM 3947 CB HIS B 212 44.254 17.081 77.859 1.00 29.07 ATOM 3947 CB HIS B 212 44.864 14.770 78.328 1.00 22.05 ATOM 3948 CG HIS B 212 44.864 14.770 78.328 1.00 22.05	ATOM	3921	NE1	TRP	В	209	39.526	19.394	75.229	1.00 27.16
ATOM 3923 CD2 TRP B 209 39.048 21.513 74.632 1.00 23.58 ATOM 3924 CE3 TRP B 209 38.768 22.558 73.746 1.00 24.70 ATOM 3925 CZ3 TRP B 209 38.731 22.256 72.395 1.00 35.51 ATOM 3926 CH2 TRP B 209 38.964 20.951 71.930 1.00 33.08 ATOM 3927 CZ2 TRP B 209 39.236 19.917 72.782 1.00 32.65 ATOM 3928 C TRP B 209 39.889 21.934 79.099 1.00 26.90 ATOM 3929 O TRP B 209 40.981 22.462 78.880 1.00 24.25 ATOM 3930 N PRO B 210 39.733 20.881 79.886 1.00 30.43 ATOM 3931 CA PRO B 210 40.872 20.308 80.611 1.00 22.74 ATOM 3933 CG PRO B 210 40.241 19.228 81.492 1.00 26.14 ATOM 3933 CG PRO B 210 38.776 19.517 81.488 1.00 31.27 ATOM 3935 C PRO B 210 38.486 20.136 80.147 1.00 27.01 ATOM 3935 C PRO B 210 41.871 19.648 79.668 1.00 22.10 ATOM 3936 O PRO B 210 41.871 19.648 79.668 1.00 22.10 ATOM 3937 N ASP B 211 43.153 19.724 80.001 1.00 15.18 ATOM 3939 CB ASP B 211 44.183 19.090 79.209 1.00 26.69 ATOM 3939 CB ASP B 211 44.183 19.090 79.209 1.00 26.69 ATOM 3940 CG ASP B 211 44.183 19.090 79.209 1.00 26.69 ATOM 3941 OD1 ASP B 211 44.864 19.134 78.790 1.00 26.69 ATOM 3943 C ASP B 211 44.864 19.134 78.790 1.00 26.69 ATOM 3943 C ASP B 211 44.864 19.134 78.790 1.00 26.69 ATOM 3943 C ASP B 211 44.891 17.600 79.038 1.00 25.77 ATOM 3943 C ASP B 211 44.891 17.600 79.038 1.00 25.77 ATOM 3944 O ASP B 211 44.254 17.081 77.638 1.00 25.77 ATOM 3944 CA ASP B 211 44.254 17.081 77.868 1.00 34.69 ATOM 3944 CA ASP B 211 44.254 17.081 77.638 1.00 25.77 ATOM 3945 CA ASP B 211 44.254 17.081 77.868 1.00 29.07 ATOM 3945 CB HIS B 212 44.254 17.081 77.858 1.00 29.07 ATOM 3945 CB HIS B 212 44.254 17.081 77.858 1.00 29.07 ATOM 3947 CB HIS B 212 44.254 17.081 77.858 1.00 29.07 ATOM 3948 CG HIS B 212 44.864 14.770 78.328 1.00 22.05 ATOM 3948 CG HIS B 212 44.864 14.770 78.328 1.00 22.05	ATOM		CE2	TRP	В	209	39.278	20.210	74.148	1.00 34.57
ATOM 3924 CE3 TRP B 209 38.768 22.558 73.746 1.00 24.70 ATOM 3925 CZ3 TRP B 209 38.731 22.256 72.395 1.00 35.51 ATOM 3926 CH2 TRP B 209 38.964 20.951 71.930 1.00 33.08 ATOM 3927 CZ2 TRP B 209 39.236 19.917 72.782 1.00 32.65 ATOM 3928 C TRP B 209 39.889 21.934 79.099 1.00 26.90 ATOM 3929 O TRP B 209 40.981 22.462 78.880 1.00 24.25 ATOM 3931 CA PRO B 210 39.733 20.881 79.886 1.00 30.43 ATOM 3931 CA PRO B 210 40.872 20.308 80.611 1.00 22.74 ATOM 3933 CG PRO B 210 40.241 19.228 81.492 1.00 26.14 ATOM 3933 CG PRO B 210 38.776 19.517 81.488 1.00 31.27 ATOM 3935 C PRO B 210 38.486 20.136 80.147 1.00 27.01 ATOM 3935 C PRO B 210 41.871 19.648 79.668 1.00 22.10 ATOM 3937 N ASP B 211 43.153 19.764 78.662 1.00 34.64 ATOM 3938 CA ASP B 211 44.183 19.090 79.209 1.00 26.69 ATOM 3939 CB ASP B 211 45.565 19.247 79.849 1.00 28.68 ATOM 3940 CG ASP B 211 46.648 19.134 78.790 1.00 26.69 ATOM 3941 OD1 ASP B 211 47.820 19.370 79.138 1.00 34.33 ATOM 3940 CG ASP B 211 47.820 19.370 79.138 1.00 34.33 ATOM 3942 OD2 ASP B 211 47.820 19.370 79.138 1.00 25.77 ATOM 3943 C ASP B 211 43.349 16.940 79.926 1.00 28.68 ATOM 3944 O ASP B 211 43.349 16.940 79.926 1.00 28.43 ATOM 3945 C ASP B 211 43.349 16.940 79.926 1.00 28.43 ATOM 3944 O ASP B 211 43.349 16.940 79.926 1.00 28.43 ATOM 3945 CA HIS B 212 44.254 17.081 77.668 1.00 29.07 ATOM 3947 CB HIS B 212 44.864 14.770 78.328 1.00 29.07 ATOM 3947 CB HIS B 212 44.864 14.770 78.328 1.00 22.05 ATOM 3947 CB HIS B 212 44.864 14.770 78.328 1.00 22.05				TRP	В					1.00 23.58
ATOM 3925 CZ3 TRP B 209 38.731 22.256 72.395 1.00 35.51 ATOM 3926 CH2 TRP B 209 38.964 20.951 71.930 1.00 33.08 ATOM 3927 CZ2 TRP B 209 39.236 19.917 72.782 1.00 32.65 ATOM 3928 C TRP B 209 39.889 21.934 79.099 1.00 26.90 ATOM 3929 O TRP B 209 40.981 22.462 78.880 1.00 24.25 ATOM 3931 CA PRO B 210 39.733 20.881 79.886 1.00 30.43 ATOM 3931 CA PRO B 210 40.872 20.308 80.611 1.00 22.74 ATOM 3932 CB PRO B 210 40.241 19.228 81.492 1.00 26.14 ATOM 3933 CG PRO B 210 38.776 19.517 81.488 1.00 31.27 ATOM 3934 CD PRO B 210 38.486 20.136 80.147 1.00 27.01 ATOM 3935 C PRO B 210 41.871 19.648 79.668 1.00 22.10 ATOM 3937 N ASP B 211 43.153 19.724 80.001 1.00 15.18 ATOM 3938 CA ASP B 211 44.183 19.090 79.209 1.00 21.45 ATOM 3939 CB ASP B 211 44.183 19.090 79.209 1.00 21.45 ATOM 3940 CG ASP B 211 45.565 19.247 79.849 1.00 26.69 ATOM 3941 OD1 ASP B 211 46.648 19.134 78.790 1.00 26.69 ATOM 3942 OD2 ASP B 211 46.648 19.134 78.790 1.00 26.69 ATOM 3945 N HIS B 212 44.254 17.081 77.638 1.00 34.69 ATOM 3945 N HIS B 212 44.254 17.081 77.638 1.00 22.07 ATOM 3946 CA HIS B 212 44.254 17.081 77.868 1.00 22.05 ATOM 3947 CB HIS B 212 44.864 14.770 78.328 1.00 22.05 ATOM 3947 CB HIS B 212 44.864 14.770 78.328 1.00 22.05 ATOM 3947 CB HIS B 212 44.864 14.770 78.328 1.00 22.05										
ATOM 3926 CH2 TRP B 209 38.964 20.951 71.930 1.00 33.08 ATOM 3927 CZ2 TRP B 209 39.236 19.917 72.782 1.00 32.65 ATOM 3928 C TRP B 209 39.889 21.934 79.099 1.00 26.90 ATOM 3929 O TRP B 209 40.981 22.462 78.880 1.00 24.25 ATOM 3931 CA PRO B 210 39.733 20.881 79.886 1.00 30.43 ATOM 3932 CB PRO B 210 40.872 20.308 80.611 1.00 22.74 ATOM 3933 CG PRO B 210 40.241 19.228 81.492 1.00 26.14 ATOM 3933 CG PRO B 210 38.776 19.517 81.488 1.00 31.27 ATOM 3935 C PRO B 210 38.486 20.136 80.147 1.00 27.01 ATOM 3935 C PRO B 210 41.871 19.648 79.668 1.00 22.10 ATOM 3936 O PRO B 210 41.871 19.648 79.668 1.00 22.10 ATOM 3937 N ASP B 211 43.153 19.724 80.001 1.00 15.18 ATOM 3938 CA ASP B 211 44.183 19.090 79.209 1.00 21.45 ATOM 3939 CB ASP B 211 44.183 19.090 79.209 1.00 21.45 ATOM 3940 CG ASP B 211 44.183 19.090 79.209 1.00 22.66 ATOM 3941 OD1 ASP B 211 46.648 19.134 78.790 1.00 26.69 ATOM 3942 OD2 ASP B 211 46.648 19.134 78.790 1.00 26.69 ATOM 3943 C ASP B 211 46.881 18.819 77.638 1.00 34.33 ATOM 3942 OD2 ASP B 211 46.281 18.819 77.638 1.00 25.77 ATOM 3945 N HIS B 212 44.254 17.081 77.868 1.00 25.77 ATOM 3945 N HIS B 212 44.254 17.081 77.868 1.00 22.05 ATOM 3947 CB HIS B 212 44.264 17.081 77.852 1.00 23.98										1.00 35.51
ATOM 3927 CZ2 TRP B 209 39.236 19.917 72.782 1.00 32.65 ATOM 3928 C TRP B 209 39.889 21.934 79.099 1.00 26.90 ATOM 3929 O TRP B 209 40.981 22.462 78.880 1.00 24.25 ATOM 3930 N PRO B 210 39.733 20.881 79.886 1.00 30.43 ATOM 3931 CA PRO B 210 40.872 20.308 80.611 1.00 22.74 ATOM 3932 CB PRO B 210 40.241 19.228 81.492 1.00 26.14 ATOM 3933 CG PRO B 210 38.776 19.517 81.488 1.00 31.27 ATOM 3934 CD PRO B 210 38.486 20.136 80.147 1.00 27.01 ATOM 3935 C PRO B 210 41.871 19.648 79.668 1.00 22.10 ATOM 3936 O PRO B 210 41.871 19.648 79.668 1.00 22.10 ATOM 3937 N ASP B 211 43.153 19.724 80.001 1.00 15.18 ATOM 3938 CA ASP B 211 44.183 19.090 79.209 1.00 21.45 ATOM 3940 CG ASP B 211 45.565 19.247 79.849 1.00 28.68 ATOM 3940 CG ASP B 211 46.648 19.134 78.790 1.00 26.69 ATOM 3941 OD1 ASP B 211 47.820 19.370 79.138 1.00 25.77 ATOM 3943 C ASP B 211 46.281 18.819 77.638 1.00 25.77 ATOM 3944 O ASP B 211 43.901 17.600 79.038 1.00 25.77 ATOM 3945 N HIS B 212 44.254 17.081 77.868 1.00 25.77 ATOM 3946 CA HIS B 212 44.254 17.081 77.868 1.00 25.05 ATOM 3947 CB HIS B 212 44.864 14.770 78.328 1.00 29.07 ATOM 3947 CB HIS B 212 44.864 14.770 78.328 1.00 22.05 ATOM 3948 CG HIS B 212 44.864 14.770 78.328 1.00 22.05										
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ATOM 3948 CG HIS B 212 46.266 15.247 78.527 1.00 23.98	MOTA		CA					15.705		
	ATOM	3947	CB							
	ATOM	3948	CG	HIS	В	212	46.266	15.247	78.527	1.00 23.98
ATOM 3949 ND1 HIS B 212 47.183 15.323 77.504 1.00 29.39	MOTA	3949	ND1	HIS	В	212	47.183	15.323	77.504	1.00 29.39
ATOM 3950 CE1 HIS B 212 48.329 15.777 77.969 1.00 33.66			CE1	HIS	В	212	48.329	15.777	77.969	1.00 33.66
ATOM 3951 NE2 HIS B 212 48.187 15.996 79.268 1.00 32.42								15.996	79.268	1.00 32.42

MOTA	3952	CD2	HIS !	3	212	46.906	15.670	79.637	1.00 23.94
ATOM	3953	С	HIS	3	212	42.564	15.267	77.538	1.00 39.31
ATOM	3954	0	HIS	3	212	42.251	14.074	77.466	1.00 50.27
ATOM	3955	N	GLY I			41.642	16.207	77.683	1.00 40.41
ATOM	3956	CA	GLY			40.245	15.925	77.912	1.00 30.96
ATOM	3957	C	GLY			39.401	16.580	76.835	1.00 33.95
ATOM	3958	0	GLY			39.938	17.004	75.817	1.00 33.78
			VAL		214	38.120	16.610	77.144	1.00 31.79
MOTA	3959	N			214	37.081	17.170	76.303	1.00 31.65
MOTA	3960	CA	VAL !					75.701	1.00 35.28
MOTA	3961	CB	VAL !		214	36.238	16.035		
ATOM	3962	CG1	VAL			37.120	15.151	74.832	1.00 45.38
MOTA	3963	CG2	VAL I			35.582	15.230	76.815	1.00 24.44
MOTA	3964	С	VAL I			36.205	18.070	77.150	1.00 36.18
ATOM	3965	0	VAL 1			36.097	17.826	78.358	1.00 35.44
MOTA	3966	N	PRO 1		215	35.582	19.094	76.597	1.00 32.79
ATOM	3967	CA	PRO :		215	34.679	19.888	77.449	1.00 35.01
ATOM	3968	CB	PRO :	В	215	34.113	20.923	76.488	1.00 32.92
MOTA	3969	CG	PRO !	В	215	35.146	21.018	75.406	1.00 39.93
MOTA	3970	CD	PRO !	В	215	35.654	19.604	75.225	1.00 33.73
MOTA	3971	С	PRO 1	В	215	33.574	18.999	78.031	1.00 40.15
ATOM	3972	0	PRO 1			33.366	17.872	77.581	1.00 31.33
ATOM	3973	N	GLU I		216	32.896	19.532	79.028	1.00 39.88
ATOM	3974	CA	GLU :		216	31.810	18.913	79.763	1.00 43.51
ATOM	3975	CB	GLU I		216	31.406	19.850	80.906	1.00 52.27
ATOM	3976	CG	GLU :		216	31.040	19.159	82.203	1.00 67.80
ATOM	3977	CD	GLU :		216	31.677	19.781	83.429	1.00 77.24
ATOM	3978	OE1				31.550	19.193	84.527	1.00 81.69
			GLU !			32.302	20.857	83.300	1.00 89.24
ATOM	3979	OE2				30.617	18.606	78.864	1.00 40.84
ATOM	3980	C	GLU I		216			78.967	1.00 53.80
ATOM	3981	0	GLU I		216	30.010	17.536		1.00 33.80
ATOM	3982	N	THR			30.269	19.531	77.983	
ATOM	3983	CA	THR I			29.204	19.383	77.008	1.00 42.02
ATOM	3984	СВ	THR			28.040	20.379	77.205	1.00 45.29
ATOM	3985	OG1	THR			28.483	21.708	76.887	1.00 35.12
MOTA	3986	CG2	THR :			27.573	20.406	78.649	1.00 41.50
MOTA	3987	С	THR !		217	29.708	19.600	75.580	1.00 41.46
MOTA	3988	0	THR !		217	30.806	20.088	75.328	1.00 31.75
ATOM	3989	N	THR I			28.852	19.241	74.631	1.00 44.21
ATOM	3990	CA	THR	В	218	29.157	19.469	73.222	1.00 46.58
MOTA	3991	CB	THR I	В	218	28.428	18.436	72.347	1.00 50.20
ATOM	3992	OG1	THR	В	218	27.030	18.755	72.322	1.00 60.14
ATOM	3993	CG2	THR	В	218	28.539	17.047	72.953	1.00 48.45
ATOM	3994	С	THR			28.751	20.877	72.807	1.00 39.87
ATOM	3995	0	THR			29.472	21.575	72.100	1.00 33.12
MOTA	3996	N	GLN I			27.581	21.301	73.262	1.00 42.47
ATOM	3997	CA	GLN I			27.023	22.603	72.942	1.00 48.42
ATOM	3998	CB	GLN I			25.735	22.859	73.734	1.00 61.04
ATOM	3999	CG	GLN I			24.465	22.396	73.043	1.00 75.20
ATOM	4000	CD	GLN I			23.709	21.356	73.846	1.00 86.54
	4000		GLN I			24.156	20.217	73.990	1.00100.39
ATOM			GLN I			22.552	21.750	74.373	1.00 96.05
ATOM	4002					27.988	23.745	73.241	1.00 42.13
MOTA	4003	С	GLN I	0	<b>413</b>	21.300	23.143	13.641	1.00 42.13

MOTA	4004	0	GLN	В	219	27.912	24.784	72.588	1.00 38.02
MOTA	4005	N	SER	В	220	28.856	23.557	74.230	1.00 41.58
ATOM	4006	CA	SER		220	29.702	24.652	74.687	1.00 41.47
							24.324	76.022	1.00 40.77
ATOM	4007	CB			220	30.377			
ATOM	4008	OG	SER		220	31.170	25.425	76.432	1.00 52.01
MOTA	4009	С	SER	В	220	30.781	24.985	73.661	1.00 32.19
MOTA	4010	0	SER	В	220	30.948	26.137	73.270	1.00 34.50
ATOM	4011	N	LEU	В	221	31.491	23.939	73.262	1.00 32.63
ATOM	4012	CA	LEU		221	32.578	24.130	72.312	1.00 30.11
			LEU			33.532	22.934	72.268	1.00 31.66
ATOM	4013	СВ						71.525	1.00 31.00
ATOM	4014	CG			221	34.848	23.244		
MOTA	4015	CD1				35.653	24.288	72.290	1.00 29.11
ATOM	4016	CD2	LEU		221	35.641	21.978	71.284	1.00 29.80
ATOM	4017	С	LEU	В	221	31.970	24.416	70.944	1.00 30.52
ATOM	4018	0	LEU	В	221	32.479	25.263	70.210	1.00 31.28
ATOM	4019	N	ILE	В	222	30.879	23.712	70.649	1.00 30.64
ATOM	4020	CA			222	30.208	23.955	69.364	1.00 35.39
ATOM	4021	СВ			222	28.961	23.069	69.244	1.00 28.31
ATOM	4021	CG1	ILE			29.280	21.656	68.733	1.00 23.30
						28.138	20.695	68.988	1.00 31.06
ATOM	4023	CD1			222				1.00 31.00
ATOM	4024	CG2	ILE			27.871	23.684	68.394	
MOTA	4025	С			222	29.871	25.433	69.215	1.00 31.09
MOTA	4026	0	ILE		222	30.088	26.049	68.169	1.00 30.29
MOTA	4027	N	GLN	В	223	29.352	26.009	70.296	1.00 31.17
ATOM	4028	CA	GLN	В	223	28.973	27.416	70.289	1.00 33.58
ATOM	4029	CB	GLN	В	223	28.201	27.804	71.554	1.00 39.47
ATOM	4030	CG	GLN	В	223	27.198	28.916	71.237	1.00 56.44
ATOM	4031	CD			223	26.886	28.937	69.747	1.00 72.62
ATOM	4032	OE1	GLN			26.007	28.216	69.269	1.00 73.13
	4032		GLN			27.618	29.765	69.008	1.00 86.88
ATOM							28.300	70.151	1.00 27.54
ATOM	4034	С	GLN		223	30.210			
ATOM	4035	0	GLN			30.195	29.217	69.338	1.00 28.05
MOTA	4036	N	PHE			31.238	27.991	70.934	1.00 26.93
ATOM	4037	CA	PHE			32.529	28.675	70.816	1.00 21.53
ATOM	4038	CB	PHE	В	224	33.554	28.029	71.726	1.00 22.20
ATOM	4039	CG	PHE	В	224	34.930	28.683	71.736	1.00 25.50
ATOM	4040	CD1	PHE	В	224	35.141	29.892	72.381	1.00 24.49
ATOM	4041	CE1				36.398	30.465	72.413	1.00 22.79
ATOM	4042	CZ	PHE			37.451	29.853	71.766	1.00 14.40
ATOM	4043		PHE			37.260	28.650	71.125	1.00 22.52
			PHE	_		36.000	28.071	71.113	1.00 23.70
ATOM	4044						28.659	69.372	1.00 25.07
ATOM	4045	C	PHE			33.033			
ATOM	4046	0	PHE			33.291	29.707	68.770	1.00 33.29
ATOM	4047	N	VAL			33.166	27.464	68.800	1.00 21.05
ATOM	4048	CA	VAL			33.655	27.335	67.431	1.00 21.13
ATOM	4049	CB	VAL	В	225	33.656	25.868	66.962	1.00 20.06
ATOM	4050	CG1	VAL	В	225	33.778	25.769	65.448	1.00 21.52
ATOM	4051		VAL			34.796	25.101	67.607	1.00 23.47
MOTA	4052	С	VAL			32.826	28.179	66.470	1.00 34.08
MOTA	4053	0	VAL			33.395	28.901	65.641	1.00 30.78
	4054	N	ARG			31.498	28.088	66.584	1.00 33.79
ATOM						30.663	28.875	65.670	1.00 33.73
ATOM	4055	CA	ARG	D	220	30.003	20.073	03.070	1.00 32.37

MOTA	4056	CB	ARG	В	226	29.185	28.551	65.852	1.00 36.13
MOTA	4057	CG	ARG	В	226	28.846	27.076	65.682	1.00 38.26
ATOM	4058	CD	ARG	В	226	27.340	26.867	65.634	1.00 43.64
ATOM	4059	NE	ARG	В	226	26.967	25.743	64.773	1.00 52.04
ATOM	4060	CZ	ARG	В	226	25.960	24.913	65.031	1.00 56.46
ATOM	4061	NH1			226	25.229	25.084	66.127	1.00 38.23
ATOM	4062	NH2	ARG		226	25.688	23.917	64.197	1.00 53.92
ATOM	4063	С	ARG		226	30.933	30.356	65.886	1.00 38.04
ATOM	4064	Ö	ARG			31.031	31.144	64.947	1.00 40.50
ATOM	4065	N	THR		227	31.031	30.745	67.151	1.00 40.30
ATOM	4066	CA	THR			31.406	32.146	67.425	1.00 32.00
ATOM	4067	CB	THR		227	31.474	32.430	68.937	
ATOM	4067	OG1	THR		227	30.160			1.00 37.87
		CG2		_			32.368	69.504	1.00 44.90
MOTA	4069		THR		227	31.977	33.840	69.194	1.00 37.73
ATOM	4070	C	THR		227	32.728	32.514	66.772	1.00 33.01
ATOM	4071	0			227	32.879	33.558	66.136	1.00 29.02
ATOM	4072	N			228	33.737	31.645	66.903	1.00 29.04
ATOM	4073	CA			228	35.022	32.021	66.300	1.00 25.89
ATOM	4074	CB			228	36.125	31.038	66.728	1.00 27.50
ATOM	4075	CG1				37.419	31.376	66.005	1.00 25.74
ATOM	4076	CG2				36.316	31.066	68.244	1.00 22.05
MOTA	4077	С	VAL			34.929	32.108	64.779	1.00 25.85
ATOM	4078	0	VAL		228	35.454	33.028	64.145	1.00 26.36
ATOM	4079	N	ARG			34.253	31.163	64.145	1.00 30.24
ATOM	4080	CA	ARG			34.172	31.158	62.678	1.00 30.97
MOTA	4081	CB	ARG			33.486	29.872	62.232	1.00 35.10
ATOM	4082	CG	ARG			33.083	29.811	60.772	1.00 37.64
MOTA	4083	CD	ARG	В	229	34.250	30.014	59.828	1.00 31.83
ATOM	4084	NE	ARG	В	229	35.361	29.082	60.089	1.00 32.88
ATOM	4085	CZ	ARG	В	229	36.512	29.276	59.439	1.00 32.94
ATOM	4086	NH1	ARG	В	229	36.535	30.304	58.602	1.00 27.58
ATOM	4087	NH2	ARG	В	229	37.576	28.513	59.590	1.00 33.74
MOTA	4088	С	ARG	В	229	33.459	32.398	62.160	1.00 38.61
ATOM	4089	0	ARG	В	229	33.809	32.946	61.105	1.00 36.42
MOTA	4090	N	ASP	В	230	32.458	32.876	62.897	1.00 30.67
MOTA	4091	CA	ASP	В	230	31.792	34.128	62.548	1.00 40.26
MOTA	4092	CB	ASP	В	230	30.693	34.455	63.561	1.00 50.06
MOTA	4093	CG	ASP	В	230	29.903	35.704	63.234	1.00 61.05
MOTA	4094	OD1	ASP	В	230	30.234	36.779	63.781	1.00 62.97
ATOM	4095	OD2	ASP	В	230	28.939	35.635	62.438	1.00 74.52
ATOM	4096	С	ASP	В	230	32.777	35.287	62.469	1.00 38.62
ATOM	4097	0	ASP	В	230	32.680	36.128	61.574	1.00 42.73
ATOM	4098	N	TYR	В	231	33.732	35.352	63.398	1.00 33.95
ATOM	4099	CA	TYR	В	231	34.680	36.464	63.395	1.00 30.28
ATOM	4100	СВ	TYR			35.391	36.596	64.743	1.00 28.40
ATOM	4101	CG	TYR			34.545	37.304	65.783	1.00 31.94
ATOM	4102	CD1	TYR			33.721	36.575	66.632	1.00 31.04
ATOM	4103		TYR			32.953	37.221	67.582	1.00 39.71
ATOM	4104	CZ	TYR			33.006	38.593	67.685	1.00 44.93
ATOM	4105	OH	TYR			32.237	39.231	68.633	1.00 67.37
ATOM	4106		TYR			33.819	39.333	66.854	1.00 41.23
ATOM	4107		TYR			34.587	38.684	65.905	1.00 39.54

MOTA	4108	С	TYR			35.726	36.297	62.305		28.70
MOTA	4109	0	TYR	В	231	36.213	37.238	61.692		29.85
ATOM	4110	N	ILE	В	232	36.093	35.038	62.062	1.00	24.82
ATOM	4111	CA	ILE			37.053	34.819	60.989	1.00	25.65
ATOM	4112	CB	ILE			37.473	33.341	60.961	1.00	22.20
						38.346	32.951	62.164		25.46
MOTA	4113	CG1						62.401		22.19
MOTA	4114	CD1	ILE			38.402	31.452			
MOTA	4115	CG2	ILE			38.159	32.987	59.653		26.03
MOTA	4116	С	ILE			36.450	35.262	59.657		29.68
ATOM	4117	0	ILE	В	232	37.061	35.995	58.876	1.00	29.18
ATOM	4118	N	ASN	В	233	35.229	34.806	59.410	1.00	29.88
MOTA	4119	CA	ASN	В	233	34.545	35.100	58.151	1.00	43.60
ATOM	4120	СВ	ASN		233	33.148	34.472	58.179	1.00	35.22
ATOM	4121	CG	ASN			33.220	32.979	57.909	1.00	32.42
			ASN			34.221	32.501	57.366		44.01
ATOM	4122						32.220	58.277		29.47
ATOM	4123		ASN			32.188				43.88
MOTA	4124	С	ASN			34.512	36.604	57.892		
MOTA	4125	0	ASN			34.637	37.078	56.762		42.08
MOTA	4126	N	ARG	В	234	34.368	37.357	58.967		40.25
MOTA	4127	CA	ARG	В	234	34.313	38.803	58.982		36.71
ATOM	4128	CB	ARG	В	234	33.385	39.259	60.130	1.00	40.64
ATOM	4129	CG	ARG	В	234	31.918	39.153	59.733	1.00	50.04
MOTA	4130	CD	ARG			30.963	39.234	60.907	1.00	52.66
ATOM	4131	NE	ARG			31.267	40.346	61.795	1.00	61.93
	4132	CZ	ARG			31.331	40.270	63.116		64.33
ATOM			ARG			31.107	39.119	63.732		53.92
ATOM	4133									74.42
MOTA	4134		ARG			31.619	41.352	63.825		
MOTA	4135	С	ARG			35.685	39.434	59.137		37.82
MOTA	4136	0	ARG			35.784	40.545	59.659		49.54
MOTA	4137	N	SER			36.743	38.756	58.701		31.78
ATOM	4138	CA	SER	В	235	38.087	39.304	58.815	1.00	29.31
ATOM	4139	CB	SER	В	235	38.901	38.548	59.875	1.00	32.90
MOTA	4140	OG	SER	В	235	38.135	38.323	61.045	1.00	44.62
MOTA	4141	С	SER			38.846	39.252	57.494	1.00	35.75
ATOM	4142	0	SER			39.935	38.678	57.421		35.41
ATOM	4143	N	PRO			38.319	39.848	56.436		47.17
	4144	CA	PRO			38.933	39.718	55.109		44.13
ATOM			PRO			38.008	40.545	54.210		50.97
MOTA	4145	CB						55.150		56.25
MOTA	4146	CG	PRO			37.355	41.506			
ATOM	4147	CD	PRO			37.121		56.408		56.24
ATOM	4148	С	PRO			40.345	40.289	55.070		37.49
MOTA	4149	0	PRO	В	236	40.660	41.313	55.678		43.03
ATOM	4150	N	GLY	В	237	41.209	39.586	54.341		
MOTA	4151	CA	GLY	В	237	42.601	39.994	54.248	1.00	33.46
ATOM	4152	C	GLY			43.421	39.477	55.407	1.00	26.07
ATOM	4153	Ō	GLY			44.630	39.670	55.500	1.00	25.20
ATOM	4154	N	ALA			42.775	38.780	56.352		26.17
	4155	CA	ALA			43.611	38.252	57.430		26.70
MOTA							37.864	58.628		26.33
ATOM	4156	CB	ALA			42.759				32.60
MOTA	4157	С	ALA			44.430	37.058	56.946		
ATOM	4158	0	ALA			44.004	36.279	56.094		20.91
MOTA	4159	N	GLY	В	239	45.618	36.924	57.534	1.00	28.56

ATOM	4160	CA			239	46.374	35.691	57.339	1.00	28.75	
ATOM	4161	С	GLY		239	45.729	34.583	58.179	1.00	23.57	
ATOM	4162	0	GLY	В	239	44.556	34.686	58.553	1.00	18.99	
MOTA	4163	N	PRO		240	46.550	33.575	58.437		19.16	
MOTA	4164	CA	PRO		240	46.088	32.396	59.170	1.00	19.17	
ATOM	4165	CB	PRO	В	240	47.379	31.599	59.391	1.00	21.18	
ATOM	4166	CG	PRO	В	240	48.234	32.001	58.234	1.00	25.38	
ATOM	4167	CD	PRO	В	240	47.974	33.480	58.072	1.00	25.67	
ATOM	4168	С	PRO	В	240	45.451	32.781	60.494	1.00	19.52	
ATOM	4169	0	PRO	В	240	45.740	33.818	61.093	1.00	24.13	
MOTA	4170	N	THR	В	241	44.550	31.928	60.942	1.00	18.39	
ATOM	4171	CA	THR	В	241	43.980	32.007	62.281	1.00	20.07	
ATOM	4172	CB	THR	В	241	42.583	31.387	62.332	1.00	20.89	
MOTA	4173	OG1	THR	В	241	41.622	32.194	61.631	1.00	19.78	
ATOM	4174	CG2	THR	В	241	42.096	31.306	63.780	1.00	20.55	
MOTA	4175	С	THR	В	241	44.926	31.258	63.221	1.00	23.29	
MOTA	4176	0	THR	В	241	45.272	30.103	62.927	1.00	13.70	
ATOM	4177	N	VAL	В	242	45.381	31.875	64.316	1.00	18.05	
MOTA	4178	CA	VAL	В	242	46.289	31.126	65.197	1.00	19.59	
MOTA	4179	CB	VAL	В	242	47.234	32.049	65.978	1.00	19.99	
MOTA	4180	CG1	VAL	В	242	47.973	31.281	67.071	1.00	22.26	
MOTA	4181	CG2	VAL	В	242	48.256	32.701	65.060	1.00	15.38	
ATOM	4182	С	VAL	В	242	45.478	30.266	66.157	1.00	17.32	
MOTA	4183	0	VAL	В	242	44.453	30.702	66.663	1.00	14.54	
ATOM	4184	N	VAL	В	243	45.897	29.019	66.424	1.00	16.24	
ATOM	4185	CA	VAL	В	243	45.166	28.247	67.444	1.00	13.16	
ATOM	4186	CB	VAL	В	243	44.275	27.150	66.860	1.00	15.05	
MOTA	4187	CG1	VAL	В	243	43.399	26.461	67.922	1.00	13.07	
ATOM	4188	CG2	VAL	В	243	43.389	27.729	65.760	1.00	10.83	
ATOM	4189	C	VAL	В	243	46.218	27.641	68.355	1.00	12.85	
ATOM	4190	0	VAL	В	243	47.232	27.116	67.875	1.00	13.00	
ATOM	4191	N	HIS	В	244	46.034	27.683	69.667	1.00	17.27	
ATOM	4192	CA	HIS	В	244	47.023	27.037	70.522	1.00	14.69	
ATOM	4193	CB	HIS	В	244	48.209	27.931	70.868	1.00	17.49	
ATOM	4194	CG	HIS	В	244	47.942	28.983	71.909	1.00 2	22.46	
MOTA	4195	ND1	HIS	В	244	48.065	28.773	73.260	1.00	18.81	
ATOM	4196	CE1	HIS		244	47.778	29.877	73.925	1.00	16.49	
MOTA	4197	NE2	HIS	В	244	47.471	30.820	73.044	1.00 2	20.57	
ATOM	4198	CD2	HIS	В	244	47.576	30.286	71.781	1.00 2	22.25	
MOTA	4199	С	HIS	В	244	46.349	26.574	71.821	1.00	12.09	
MOTA	4200	0	HIS	В	244	45.286	27.061	72.168	1.00	14.03	
ATOM	4201	N	CYS	В	245	47.029	25.631	72.434	1.00	16.27	
ATOM	4202	CA	CYS	В	245	46.655	25.083	73.747	1.00	15.96	
MOTA	4203	CB	CYS	В	245	45.929	23.756	73.577	1:00 2	24.17	
ATOM	4204	SG	CYS	В	245	46.767	22.530	72.540	1.00 1	19.97	1
ATOM	4205	С	CYS	В	245	47.952	25.010	74.536	1.00 2	23.79	
ATOM	4206	0	CYS	В	245	48.651	26.039	74.621	1.00 1	17.71	
MOTA	4207	N	SER	В	246	48.357	23.869	75.088	1.00 1	15.26	
ATOM	4208	CA	SER	В	246	49.645	23.864	75.785	1.00 1	15.41	
ATOM		CB	SER			49.587	23.047	77.091	1.00	8.58	
MOTA	4210	OG	SER	В	246	50.839	23.185	77.745	1.00 1	14.15	
ATOM	4211	С	SER	В	246	50.725	23.332	74.858	1.00 1	L9.97	

MOTA	4212	0	SER E	246	51.746	23.963	74.592	1.00 14.07
MOTA	4213	N	ALA E	247	50.505	22.130	74.328	1.00 17.84
MOTA	4214	CA	ALA E	247	51.486	21.562	73.428	1.00 12.20
ATOM	4215	СВ	ALA E		51.563	20.047	73.532	1.00 18.43
ATOM	4216	C	ALA E		51.157	21.898	71.970	1.00 13.39
			ALA E		52.039	21.689	71.133	1.00 21.82
MOTA	4217	0			49.949	22.376	71.712	1.00 21.02
MOTA	4218	N	GLY E					
ATOM	4219	CA	GLY E		49.513	22.677	70.361	
ATOM	4220	С	GLY E		49.114	21.449	69.571	1.00 26.17
MOTA	4221	0	GLY E		49.288	21.419	68.350	1.00 26.33
ATOM	4222	N	VAL E		48.574	20.398	70.200	1.00 19.25
MOTA	4223	CA	VAL E		48.239	19.232	69.365	1.00 19.23
ATOM	4224	CB	VAL E	249	49.293	18.114	69.401	1.00 18.92
ATOM	4225	CG1	VAL E	249	50.682	18.568	68.977	1.00 15.44
ATOM	4226	CG2	VAL E	249	49.432	17.478	70.794	1.00 20.80
ATOM	4227	С	VAL E	249	46.884	18.672	69.748	1.00 16.22
MOTA	4228	0	VAL E	249	46.010	18.434	68.890	1.00 22.29
MOTA	4229	N	GLY E		46.602	18.422	71.030	1.00 21.24
ATOM	4230	CA	GLY E		45.334	17.751	71.313	1.00 23.25
ATOM	4231	С	GLY E		44.109	18.612	71.266	1.00 24.10
ATOM	4232	Ö	GLY E		43.159	18.477	70.484	1.00 21.30
MOTA	4233	N	ARG E		44.071	19.606	72.170	1.00 12.60
ATOM	4234	CA	ARG E		42.891	20.459	72.174	1.00 14.08
ATOM		CB	ARG E		42.941	21.317	73.449	1.00 17.84
	4235		ARG E		42.681	20.419	74.664	1.00 18.30
ATOM	4236	CG			42.862	21.184	75.963	1.00 15.33
ATOM	4237	CD	ARG E		44.280	21.335	76.262	1.00 21.24
ATOM	4238	NE	ARG E					1.00 21.24
MOTA	4239	CZ	ARG E		44.713	22.030	77.317	
MOTA	4240	NH1			43.820	22.588	78.124	1.00 18.21
MOTA	4241	NH2			46.013	22.129	77.516	1.00 17.67
ATOM	4242	С	ARG E		42.869	21.322	70.928	1.00 18.05
ATOM	4243	0	ARG E		41.815	21.598	70.358	1.00 21.59
MOTA	4244	N	THR E		44.086	21.740	70.545	1.00 14.56
MOTA	4245	CA	THR E		44.135	22.560	69.328	1.00 21.90
MOTA	4246	CB	THR E		45.580	23.025	69.081	1.00 21.05
ATOM	4247	OG1	THR E	252	45.872	24.089	70.001	1.00 21.60
ATOM	4248	CG2	THR E	252	45.705	23.561	67.670	1.00 19.25
MOTA	4249	С	THR E	252	43.600	21.794	68.120	1.00 21.20
MOTA	4250	0	THR E	252	42.811	22.292	67.312	1.00 19.48
MOTA	4251	N	GLY E	253	44.043	20.545	68.002	1.00 22.67
MOTA	4252	CA	GLY E		43.671	19.713	66.862	1.00 16.29
ATOM	4253	С	GLY E		42.198	19.395	66.821	1.00 22.35
ATOM	4254	0	GLY E		41.587	19.330	65.747	1.00 19.39
ATOM	4255	N	THR E		41.634	19.191	68.022	1.00 25.18
ATOM	4256	CA	THR E		40.194	18.939	68.106	1.00 15.84
ATOM	4257	CB	THR E		39.805	18.402	69.499	1.00 21.21
	4257	OG1			40.624	17.266	69.796	1.00 19.04
ATOM			THR E		38.361	17.200	69.525	1.00 24.29
MOTA	4259				39.422	20.198	67.781	1.00 24.23
MOTA	4260	С	THR E					1.00 19.07
MOTA	4261	0	THR E		38.352	20.162	67.182	1.00 21.18
ATOM	4262	N	PHE E		39.931	21.367	68.178	
ATOM	4263	CA	PHE E	255	39.225	22.595	67.821	1.00 22.07

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ATOM	4264	CB	PHE	В	255	39.910	23.855	68.368	1.00 20.64
MOTA	4265	CG	PHE	В	255	39.280	25.177	67.939	1.00 16.94
ATOM	4266	CD1				38.222	25.716	68.650	1.00 17.36
ATOM	4267	CE1			255	37.628	26.901	68.272	1.00 16.83
MOTA	4268	CZ			255	38.079	27.576	67.156	1.00 20.63
	4269	CE2			255	39.141	27.067	66.427	1.00 15.59
ATOM									1.00 15.55
ATOM	4270	CD2			255	39.730	25.892	66.841	
MOTA	4271	С			255	39.148	22.712	66.298	1.00 16.89
MOTA	4272	0	PHE		255	38.114	23.045	65.727	1.00 22.55
ATOM	4273	N			256	40.305	22.497	65.682	1.00 22.37
MOTA	4274	CA	ILE	В	256	40.393	22.694	64.232	1.00 26.45
ATOM	4275	CB	ILE	В	256	41.841	22.644	63.742	1.00 22.17
ATOM	4276	CG1	ILE	В	256	42.717	23.802	64.245	1.00 19.09
ATOM	4277	CD1	ILE	В	256	44.182	23.636	63.845	1.00 17.45
ATOM	4278	CG2	ILE		256	41.861	22.570	62.218	1.00 25.40
ATOM	4279	C	ILE		256	39.556	21.645	63.513	1.00 25.61
MOTA	4280	0			256	38.871	21.935	62.537	1.00 32.43
	4281	N			257	39.588	20.418	64.006	1.00 22.52
ATOM							19.395	63.390	1.00 28.35
ATOM	4282	CA	ALA			38.740			1.00 23.53
MOTA	4283	CB	ALA			39.011	18.049	64.057	
ATOM	4284	С	ALA			37.271	19.768	63.462	1.00 31.55
ATOM	4285	0	ALA			36.495	19.520	62.536	1.00 36.42
ATOM	4286	N	LEU			36.833	20.366	64.568	1.00 27.78
ATOM	4287	CA	LEU			35.425	20.714	64.735	1.00 25.99
ATOM	4288	CB	LEU			35.101	21.046	66.201	1.00 29.85
ATOM	4289	CG	LEU			33.612	21.160	66.530	1.00 31.93
ATOM	4290	CD1	LEU	В	258	32.852	19.931	66.050	1.00 21.42
ATOM	4291	CD2	LEU	В	258	33.381	21.372	68.020	1.00 29.92
ATOM	4292	С	LEU	В	258	35.049	21.898	63.862	1.00 28.98
ATOM	4293	0	LEU	В	258	33.955	21.967	63.306	1.00 33.28
MOTA	4294	N	ASP	В	259	35.976	22.850	63.743	1.00 25.38
ATOM	4295	CA	ASP	В	259	35.725	23.991	62.856	1.00 26.70
ATOM	4296	СВ	ASP			36.911	24.943	62.895	1.00 25.83
MOTA	4297	CG			259	36.704	26.266	62.193	1.00 34.39
ATOM	4298				259	35.615	26.855	62.335	1.00 28.39
ATOM	4299		ASP			37.650	26.717	61.505	1.00 32.58
MOTA	4300	C	ASP			35.466	23.504	61.433	1.00 19.95
ATOM	4300	0	ASP		259	34.559	23.983	60.753	1.00 13.33
	4301		ARG			36.261	22.532	60.984	1.00 32.03
ATOM		N							1.00 24.33
MOTA	4303	CA	ARG			36.087	22.057	59.603	
ATOM	4304	CB	ARG			37.297	21.239	59.169	1.00 26.24
MOTA	4305	CG	ARG			38.591	22.045	59.058	1.00 28.14
MOTA	4306	CD	ARG			39.709	21.131	58.569	1.00 24.62
MOTA	4307	NE	ARG			39.311	20.472	57.320	1.00 31.53
ATOM	4308	CZ	ARG			40.177	20.214	56.345	1.00 39.36
MOTA	4309		ARG			41.447	20.563	56.493	1.00 41.26
ATOM	4310	NH2	ARG	В	260	39.778	19.617	55.231	1.00 56.76
ATOM	4311	С	ARG	В	260	34.822	21.239	59.447	1.00 31.74
MOTA	4312	0	ARG	В	260	34.189	21.251	58.392	1.00 39.13
ATOM	4313	N	ILE			34.381	20.492	60.468	1.00 30.98
ATOM	4314	CA	ILE			33.208	19.657	60.165	1.00 35.76
ATOM	4315	СВ	ILE			33.146	18.381	61.023	1.00 33.31
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ATOM	4316	CG1	ILE	В	261	32.912	18.576	62.521	1.00 27.49
ATOM	4317	CD1	ILE	В	261	33.493	17.459	63.368	1.00 32.91
MOTA	4318	CG2	ILE	В	261	34.414	17.561	60.796	1.00 33.85
ATOM	4319	С	ILE	В	261	31.938	20.476	60.307	1.00 41.61
ATOM	4320	Ō	ILE			30.932	20.212	59.641	1.00 42.61
	4321	N	LEU			31.977	21.494	61.170	1.00 36.25
ATOM			LEU			30.747	22.281	61.321	1.00 37.79
ATOM	4322	CA				30.868	23.297	62.448	1.00 37.73
MOTA	4323	CB	LEU					63.865	1.00 33.10
ATOM	4324	CG	LEU			30.867	22.707		
ATOM	4325	CD1	LEU			30.730	23.791	64.918	1.00 35.24
MOTA	4326	CD2	LEU			29.751	21.680	64.011	1.00 39.50
MOTA	4327	С	LEU			30.444	22.945	59.982	1.00 48.10
MOTA	4328	0	LEU			29.297	23.137	59.592	1.00 54.41
MOTA	4329	N	GLN	В	263	31.536	23.268	59.294	1.00 42.55
MOTA	4330	CA	GLN	В	263	31.446	23.852	57.963	1.00 45.39
MOTA	4331	CB	GLN	В	263	32.819	24.403	57.562	1.00 47.06
MOTA	4332	CG	GLN	В	263	33.160	25.695	58.293	1.00 52.92
MOTA	4333	CD	GLN	В	263	34.546	26.217	57.972	1.00 51.62
MOTA	4334	OE1	GLN	В	263	34.689	27.171	57.208	1.00 48.47
MOTA	4335		GLN		263	35.575	25.609	58.552	1.00 34.73
ATOM	4336	С	GLN			30.935	22.825	56.961	1.00 37.20
ATOM	4337	Ō	GLN			29.987	23.076	56.223	1.00 36.52
ATOM	4338	N	GLN		264	31.551	21.651	56.930	1.00 48.77
ATOM	4339	CA	GLN		264	31.089	20.583	56.052	1.00 54.55
	4340	CB	GLN		264	31.890	19.305	56.289	1.00 51.39
ATOM	4341	CG	GLN		264	33.377	19.395	55.996	1.00 45.82
ATOM			GLN			34.080	18.072	56.248	1.00 49.30
ATOM	4342	CD				33.426	17.046	56.440	1.00 43.30
ATOM	4343	OE1	GLN						1.00 34.03
ATOM	4344	NE2	GLN			35.410	18.093	56.256	
MOTA	4345	С	GLN			29.602	20.309	56.268	1.00 65.82
ATOM	4346	0	GLN			28.854	20.101	55.312	1.00 71.36
ATOM	4347	N	LEU			29.169	20.311	57.529	1.00 66.58
MOTA	4348	CA	LEU			27.766	20.033	57.816	1.00 67.06
MOTA	4349	CB		В		27.465	20.150	59.309	1.00 67.27
ATOM	4350	CG	LEU			27.604	18.870	60.130	1.00 71.80
MOTA	4351	CD1	LEU	В	265	27.000	19.066	61.515	1.00 69.10
MOTA	4352	CD2	LEU	В	265	26.955	17.695	59.409	1.00 78.85
MOTA	4353	С	LEU	В	265	26.858	20.996	57.055	1.00 65.79
ATOM	4354	0	LEU	В	265	25.951	20.581	56.340	1.00 62.34
MOTA	4355	N	ASP	В	266	27.140	22.278	57.242	1.00 61.77
ATOM	4356	CA	ASP			26.333	23.341	56.663	1.00 64.82
ATOM	4357	CB	ASP	В	266	26.740	24.673	57.312	1.00 71.48
MOTA	4358	CG	ASP			26.589	24.603	58.822	1.00 82.79
ATOM	4359		ASP			26.033	23.597	59.312	1.00 89.00
ATOM	4360		ASP			27.021	25.562	59.500	1.00104.58
ATOM	4361	C	ASP			26.454	23.433	55.152	1.00 62.69
ATOM	4362	0	ASP			25.779	24.251	54.519	1.00 61.16
	4363	N	SER			27.294	22.612	54.520	1.00 56.01
ATOM			SER			27.294	22.733	53.063	1.00 54.60
MOTA	4364	CA						52.720	1.00 53.27
ATOM	4365	CB	SER			28.557	23.647		
ATOM	4366	OG	SER			29.698	23.231	53.454	1.00 48.03
MOTA	4367	С	SER	В	267	27.529	21.401	52.353	1.00 61.19

MOTA	4368	0	SER B	267	27.489	21.325	51.121	1.00 78.99
ATOM	4369	N	LYS B	268	27.711	20.321	53.101	1.00 66.12
ATOM	4370	CA	LYS B	268	27.946	19.017	52.481	1.00 67.60
ATOM	4371	СВ	LYS B	268	29.387	18.583	52.742	1.00 73.63
ATOM	4372	CG	LYS B		29.798	17.277	52.087	1.00 76.35
ATOM	4373	CD	LYS B		31.310	17.139	52.000	1.00 69.59
ATOM	4374	CE	LYS B		31.983	17.228	53.356	1.00 57.88
ATOM	4375	NZ	LYS B		32.516	15.916	53.815	1.00 46.13
ATOM	4376	C	LYS B		26.957	17.982	52.997	1.00 40.13
		0	LYS B		26.428	18.102	54.100	1.00 59.94
ATOM	4377 4378	N	ASP B		26.692	16.102		1.00 56.14
ATOM							52.201	
ATOM	4379	CA	ASP B		25.749	15.913	52.591	1.00 60.87
ATOM	4380	CB	ASP B		24.980	15.392	51.377	1.00 71.26
ATOM	4381	CG	ASP B		25.670	15.678	50.060	1.00 82.48
MOTA	4382	OD1			26.027	16.846	49.797	1.00101.89
MOTA	4383	OD2			25.856	14.725	49.273	1.00103.90
MOTA	4384	С	ASP B		26.479	14.771	53.294	1.00 57.30
MOTA	4385	0	ASP B		25.869	13.797	53.732	1.00 54.94
ATOM	4386	N	SER B		27.797	14.922	53.393	1.00 44.67
ATOM	4387	CA	SER B	270	28.633	13.990	54.132	1.00 41.73
MOTA	4388	CB	SER B	270	29.526	13.168	53.206	1.00 43.00
MOTA	4389	OG	SER B	270	28.790	12.556	52.162	1.00 51.47
MOTA	4390	С	SER B	270	29.487	14.760	55.142	1.00 42.93
ATOM	4391	0	SER B	270	29.563	15.988	55.100	1.00 44.44
ATOM	4392	N	VAL B	271	30.122	14.024	56.045	1.00 39.47
ATOM	4393	CA	VAL B	271	31.033	14.606	57.020	1.00 42.42
ATOM	4394	СВ	VAL B	271	30.399	14.754	58.412	1.00 43.26
ATOM	4395	CG1	VAL B	271	29.733	13.460	58.864	1.00 32.79
ATOM	4396	CG2	VAL B	271	31.460	15.183	59.417	1.00 35.29
ATOM	4397	С	VAL B		32.282	13.735	57.095	1.00 48.99
ATOM	4398	0	VAL B		32.184	12.509	57.041	1.00 58.21
ATOM	4399	N	ASP B		33.444	14.367	57.209	1.00 45.99
ATOM	4400	CA	ASP B		34.707	13.648	57.135	1.00 35.10
ATOM	4401	CB	ASP B		35.417	14.055	55.832	1.00 36.44
ATOM	4402	CG	ASP B		36.191	12.901	55.232	1.00 35.96
ATOM	4403	OD1	ASP B		36.367	11.892	55.943	1.00 46.07
ATOM	4404		ASP B		36.621	13.010	54.067	1.00 60.29
ATOM	4405	C	ASP B		35.605	13.897	58.334	1.00 38.48
ATOM	4406	0	ASP B		36.631	14.567	58.238	1.00 37.38
ATOM	4407	N	ILE B		35.225	13.349	59.485	1.00 44.55
ATOM	4408	CA	ILE B		36.018	13.484	60.706	1.00 42.80
ATOM	4409	СВ	ILE B		35.239	12.986	61.941	1.00 42.00
		CG1						
ATOM	4410		ILE B		34.010	13.836	62.283	1.00 43.95 1.00 28.68
ATOM	4411	CD1			32.873	13.080	62.950	
ATOM	4412	CG2			36.135	12.859	63.164	1.00 35.00
ATOM	4413	C	ILE B		37.341	12.749	60.554	1.00 43.03
ATOM	4414	0	ILE B		38.397	13.283	60.903	1.00 47.22
ATOM	4415	N	TYR B		37.333	11.528	60.019	1.00 33.68
ATOM	4416	CA	TYR B		38.587	10.824	59.758	1.00 33.83
ATOM	4417	CB	TYR B		38.323	9.463	59.101	1.00 31.32
ATOM	4418	CG	TYR B		39.536	8.615	58.815	1.00 34.21
ATOM	4419	CD1	TYR B	2/4	40.011	7.706	59.752	1.00 27.81

ATOM	4420	CE1	TYR	В	274	41.124	6.936	59.481		33.31
MOTA	4421	CZ	TYR	В	274	41.783	7.051	58.280	1.00	38.03
ATOM	4422	ОН	TYR	В	274	42.894	6.287	57.994	1.00	74.99
ATOM	4423	CE2	TYR	В	274	41.334	7.942	57.338	1.00	34.20
MOTA	4424	CD2	TYR	В	274	40.227	8.704	57.615	1.00	30.48
ATOM	4425	С	TYR	В	274	39.499	11.654	58.857	1.00	30.77
ATOM	4426	0			274	40.699	11.762	59.091	1.00	42.32
ATOM	4427	N	GLY			38.914	12.201	57.796	1.00	33.93
ATOM	4428	CA	GLY			39.661	12.924	56.786	1.00	34.96
ATOM	4429	C	GLY			40.242	14.213	57.340		28.44
MOTA	4430	0	GLY			41.328	14.628	56.928		26.09
ATOM	4431	N	ALA			39.508	14.838	58.264		30.51
ATOM	4432	CA	ALA			40.037	16.083	58.849		32.53
ATOM	4433	CB	ALA			38.977	16.819	59.633		28.84
		СВ	ALA			41.233	15.754	59.724		28.27
MOTA	4434		ALA			42.298	16.355	59.634		27.29
ATOM	4435	0				41.052	14.745	60.587		22.62
MOTA	4436	N	VAL					61.478		22.13
ATOM	4437	CA	VAL			42.157	14.409			25.76
ATOM	4438	CB	VAL			41.713	13.420	62.569		
MOTA	4439	CG1				42.931	12.861	63.293		33.74
MOTA	4440	CG2	VAL			40.769	14.087	63.561		22.07
ATOM	4441	C	VAL			43.342	13.846	60.712		31.87
MOTA	4442	0	VAL		277	44.512	14.018	61.076		30.97
ATOM	4443	N		В	278	43.053	13.141	59.616		26.49
ATOM	4444	CA		В	278	44.180	12.632	58.831		24.97
ATOM	4445	CB		В		43.663	11.735	57.699		26.29
ATOM	4446	CG			278	44.716	11.393	56.689		35.64
ATOM	4447	ND1				45.145	12.273	55.723		32.18
ATOM	4448	CE1				46.077	11.699	54.986		36.91
ATOM	4449	NE2	HIS	В	278	46.280	10.473	55.443		39.75
ATOM	4450	CD2		В	278	45.440	10.261	56.509		40.27
ATOM	4451	С	HIS	В	278	44.988	13.809	58.294		17.49
ATOM	4452	0	HIS	В	278	46.212	13.862	58.377		21.10
MOTA	4453	N	ASP	В	279	44.262	14.777	57.736	1.00	23.86
ATOM	4454	CA	ASP	В	279	44.908	15.964	57.171	1.00	33.69
ATOM	4455	CB	ASP	В	279	43.864	16.870	56.522		34.31
MOTA	4456	CG	ASP	В	279	44.369	17.652	55.325	1.00	49.90
ATOM	4457	OD1	ASP	В	279	45.255	17.163	54.584	1.00	38.05
MOTA	4458	OD2	ASP	В	279	43.867	18.782	55.115	1.00	40.80
MOTA	4459	С	ASP	В	279	45.697	16.716	58.238	1.00	26.60
ATOM	4460	0	ASP			46.841	17.124	58.034	1.00	28.11
ATOM	4461	N	LEU			45.088	16.895	59.408	1.00	25.81
MOTA	4462	CA	LEU			45.801	17.538	60.510	1.00	28.08
ATOM	4463	СВ	LEU			44.955	17.535	61.782	1.00	24.40
ATOM	4464	CG	LEU			43.689	18.389	61.749		26.95
MOTA	4465		LEU			43.088	18.489	63.138		30.65
ATOM	4466		LEU			43.987	19.757	61.164		49.17
ATOM	4467	C	LEU			47.117	16.834	60.804		32.98
MOTA	4468	Ö	LEU			48.141	17.483	61.022		28.16
ATOM	4469	N	ARG			47.078	15.503	60.816		21.92
ATOM	4470	CA	ARG			48.252	14.703	61.134		14.30
ATOM	4471	CB	ARG			47.854	13.212	61.199		15.59
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ATOM	4472	CG	ARG	В	281	46.856	12.946	62.326	1.00 30.08
MOTA	4473	CD	ARG	В	281	47.580	12.419	63.554	1.00 35.07
ATOM	4474	NE	ARG	В	281	46.665	12.288	64.685	1.00 41.36
ATOM	4475	CZ	ARG	В	281	46.356	11.125	65.243	1.00 44.73
MOTA	4476	NH1	ARG	В	281	46.894	10.010	64.769	1.00 39.14
ATOM	4477	NH2	ARG	В	281	45.515	11.092	66.268	1.00 40.94
ATOM	4478	С	ARG	В	281	49.378	14.834	60.141	1.00 16.56
MOTA	4479	0	ARG		281	50.574	14.692	60.430	1.00 23.41
ATOM	4480	N	LEU		282	49.000	15.098	58.885	1.00 21.94
ATOM	4481	CA		В	282	50.085	15.295	57.919	1.00 22.08
MOTA	4482	CB		В	282	49.505	15.415	56.508	1.00 30.24
ATOM	4483	CG		В	282	48.946	14.129	55.895	1.00 38.66
ATOM	4484	CD1			282	48.260	14.402	54.563	1.00 35.05
MOTA	4485		LEU		282	50.055	13.099	55.724	1.00 35.97
	4486	C	LEU		282	50.921	16.528	58.246	1.00 22.11
ATOM			LEU		282	52.089	16.605	57.854	1.00 27.03
ATOM	4487	0			283	50.359	17.509	58.949	1.00 27.03
MOTA	4488	N		В	283		18.767	59.129	1.00 13.17
MOTA	4489	CA		В		51.085			1.00 22.40
ATOM	4490	CB		В	283	50.140	19.931	58.762	
ATOM	4491	CG	HIS		283	49.775	19.824	57.305	1.00 27.86
ATOM	4492		HIS		283	48.636	19.183	56.872	1.00 29.65
ATOM	4493		HIS		283	48.585	19.229	55.549	1.00 28.25
MOTA	4494		HIS		283	49.648	19.884	55.115	1.00 28.83
ATOM	4495		HIS		283	50.417	20.257	56.193	1.00 25.31
MOTA	4496	С	HIS		283	51.683	18.946	60.513	1.00 16.39
MOTA	4497	0	HIS		283	52.619	19.732	60.696	1.00 19.23
ATOM	4498	N	ARG		284	51.215	18.186	61.499	1.00 14.42
MOTA	4499	CA	ARG	В	284	51.851	18.254	62.811	1.00 16.63
ATOM	4500	CB	ARG	В	284	51.353	19.503	63.539	1.00 17.04
ATOM	4501	CG	ARG	В	284	51.990	19.779	64.894	1.00 20.73
MOTA	4502	CD	ARG	В	284	51.670	21.227	65.288	1.00 19.31
ATOM	4503	NE	ARG	В	284	51.932	21.473	66.705	1.00 16.50
ATOM	4504	CZ	ARG	В	284	53.027	22.065	67.155	1.00 18.89
MOTA	4505	NH1	ARG	В	284	53.961	22.471	66.295	1.00 16.50
ATOM	4506	NH2	ARG	В	284	53.184	22.249	68.464	1.00 12.75
ATOM	4507	С	ARG	В	284	51.515	17.002	63.621	1.00 15.24
MOTA	4508	0	ARG	В	284	50.395	16.503	63.515	1.00 21.78
ATOM	4509	N	VAL		285	52.472	16.553	64.400	1.00 22.07
ATOM	4510	CA	VAL			52.309	15.357	65.228	1.00 18.47
MOTA	4511		VAL			53.643	15.032	65.919	1.00 22.85
ATOM	4512		VAL			53.931	15.996	67.065	1.00 21.98
ATOM	4513		VAL			53.647	13.591	66.415	1.00 31.56
ATOM	4514	C	VAL			51.181	15.513	66.237	1.00 31.62
ATOM	4515	0	VAL			50.887	16.594	66.739	1.00 20.75
ATOM	4516	N	HIS			50.511	14.404	66.519	1.00 35.82
ATOM	4517	CA	HIS			49.576	14.183	67.598	1.00 24.99
ATOM	4518	CB	HIS			50.264	14.498	68.941	1.00 23.90
	4519	CG	HIS			51.337	13.511	69.289	1.00 23.30
ATOM						51.236	12.162	69.015	1.00 30.01
ATOM	4520		HIS			52.326	11.537	69.425	1.00 39.25
ATOM	4521		HIS				12.431	69.425	1.00 40.23
ATOM	4522		HIS			53.144			
MOTA	4523	CD2	HIS	В	∠86	52.543	13.669	69.883	1.00 30.11

ATOM	4524	С	HIS	В 2	86	48.282	14.973	67.520	1.00	28.12	
ATOM	4525	0	HIS	B 2	86	47.543	15.026	68.515	1.00	34.48	
ATOM	4526	N	MET	В 2	:87	47.981	15.578	66.382	1.00	19.24	
ATOM	4527	CA	MET	В 2	:87	46.741	16.320	66.214	1.00	22.67	
MOTA	4528	CB	MET	В 2	:87	46.545	16.759	64.771	1.00	29.06	
ATOM	4529	CG		B 2		47.551	17.692	64.153	1.00	26.09	
ATOM	4530	SD		B 2		47.319	19.403	64.727	1.00	57.61	1
ATOM	4531	CE		В 2		48.486	19.307	66.054	1.00	8.09	
ATOM	4532	C		В 2		45.535	15.468	66.623	1.00	35.86	
ATOM	4533	0		В 2		45.367	14.357	66.108	1.00	33.56	
ATOM	4534	N	VAL			44.728	16.000	67.527		31.94	
MOTA	4535	CA	VAL			43.671	15.249	68.206		29.58	
ATOM	4536	CB	VAL			42.591	14.724	67.262		25.44	
ATOM	4537	CG1	VAL			41.504	13.994	68.051		27.03	
ATOM	4538	CG2	VAL			41.978	15.870	66.483		25.23	
ATOM	4539	C	VAL			44.331	14.102	68.975		28.49	
ATOM	4540	0	VAL			44.486	12.998	68.463		31.96	
ATOM	4541	N	GLN			44.734	14.434	70.194		22.07	
MOTA	4542	CA	GLN			45.722	13.703	70.953		30.99	
ATOM	4543	CB	GLN			46.399	14.641	71.955		32.52	
ATOM	4544	CG	GLN			47.584	14.032	72.686		31.56	
ATOM	4545	CD	GLN			47.342	13.990	74.187	1.00	46.43	
ATOM	4546	OE1	GLN			46.897	14.972	74.782		45.11	
ATOM	4547	NE2	GLN			47.639	12.848	74.795		56.32	
ATOM	4548	C	GLN			45.165	12.495	71.695		34.06	
ATOM	4549	0	GLN			45.949	11.582	71.976		37.74	
ATOM	4550	N	THR			43.874	12.473	71.997		34.47	
ATOM	4551	CA	THR			43.323	11.278	72.636		38.23	
ATOM	4552	CB	THR			42.869	11.533	74.089		29.88	
ATOM	4553	OG1	THR			41.723	12.396	74.064		32.43	
ATOM	4554	CG2	THR			43.954	12.209	74.903		30.96	
ATOM	4555	C	THR			42.131	10.704	71.879		38.89	
MOTA	4556	0	THR			41.394	11.381	71.170	1.00	37.95	
ATOM	4557	N	GLU			41.927	9.397	72.062	1.00	40.68	
ATOM	4558	CA	GLU			40.760	8.735	71.494	1.00	35.35	
ATOM	4559	СВ	GLU			40.764	7.261	71.915		46.96	
ATOM	4560	CG	GLU			39.750	6.391	71.186	1.00	52.82	
MOTA	4561	CD	GLU			39.890	4.935	71.603	1.00	55.59	
ATOM	4562	OE1	GLU			38.878	4.210	71.644		67.94	
ATOM	4563		GLU			41.035	4.536	71.899		48.99	
ATOM	4564	C	GLU			39.465	9.394	71.939		29.83	
ATOM	4565	0	GLU			38.487	9.486	71.192		34.01	
ATOM	4566	N	CYS			39.421	9.874	73.194		31.22	
ATOM	4567	CA	CYS			38.144	10.429	73.647		30.43	
	4568	CB	CYS			38.112	10.562	75.169		36.01	
MOTA	4569	SG	CYS			39.681	11.083	75.904		131.76	1
ATOM ATOM	4570	C	CYS			37.862	11.764	72.979		24.32	_
ATOM ATOM	4570	0	CYS			36.720	12.200	72.903		28.29	
	4571	N	GLN			38.915	12.415	72.489		33.10	
ATOM	4572	CA	GLN			38.751	13.630	71.694		30.62	
ATOM			GLN			40.117	14.322	71.527		28.49	
ATOM	4574	CB					15.209	72.711		27.02	
MOTA	4575	CG	GLN	D Z	. ၁	40.470	13.203	12.111	1.00	21.02	

MOTA	4576	CD	GLN	В	293	41.904	15.666	72.787		29.40
MOTA	4577	OE1	GLN	В	293	42.722	15.395	71.907		31.27
ATOM	4578	NE2	GLN	В	293	42.261	16.375	73.858	1.00	29.27
ATOM	4579	С	GLN	В	293	38.132	13.286	70.347	1.00	26.72
MOTA	4580	0	GLN	В	293	37.224	13.930	69.828		39.00
MOTA	4581	N	TYR	В	294	38.662	12.203	69.763	1.00	28.45
ATOM	4582	CA	TYR	В	294	38.117	11.677	68.512	1.00	24.87
MOTA	4583	CB	TYR			38.861	10.398	68.098	1.00	32.22
ATOM	4584	CG	TYR			38.628	10.021	66.650	1.00	42.38
ATOM	4585	CD1	TYR			39.072	10.848	65.621	1.00	43.00
MOTA	4586	CE1	TYR			38.867	10.520	64.294		47.37
ATOM	4587	CZ	TYR			38.207	9.350	63.975		48.16
ATOM	4588	OH	TYR			38.001	9.025	62.651		34.98
ATOM	4589	CE2	TYR			37.756	8.516	64.976		41.30
ATOM	4590	CD2	TYR			37.966	8.851	66.302		40.38
	4591	CDZ	TYR			36.628	11.405	68.664		32.24
ATOM	4592	0	TYR			35.800	11.862	67.885		38.08
MOTA			VAL			36.302	10.647	69.711		45.53
ATOM	4593	N				34.926	10.315	70.045		44.59
ATOM	4594	CA	VAL					70.043		40.45
ATOM	4595	CB	VAL			34.844	9.467			39.76
ATOM	4596	CG1				33.478	9.640	71.975		42.13
MOTA	4597	CG2	VAL			35.134	8.009	71.030		43.22
ATOM	4598	C	VAL			34.096	11.573	70.258		
ATOM	4599	0	VAL			32.963	11.696	69.798		39.21
MOTA	4600	N	TYR			34.680	12.529	70.983		39.28
MOTA	4601	CA	TYR			33.973	13.791	71.204		38.11
ATOM	4602	CB	TYR			34.866	14.740	72.004		36.49
MOTA	4603	CG	TYR			34.235	16.065	72.341		29.43
ATOM	4604	CD1	TYR			33.274	16.182	73.337		26.96
ATOM	4605	CE1	TYR		296	32.688	17.392	73.655		26.29
MOTA	4606	CZ	TYR			33.072	18.524	72.963		36.48
ATOM	4607	OH	TYR	В	296	32.503	19.739	73.267		28.44
ATOM	4608	CE2	TYR	В	296	34.023	18.443	71.970		34.08
MOTA	4609	CD2	TYR	В	296	34.602	17.224	71.661		38.40
ATOM	4610	С	TYR			33.582	14.431	69.883		30.28
ATOM	4611	0	TYR			32.516	15.027	69.739		28.21
MOTA	4612	N	LEU	В	297	34.477	14.309	68.896		32.45
MOTA	4613	CA	LEU		297	34.172	14.905	67.592		29.13
ATOM	4614	CB	LEU	В	297	35.329	14.627	66.633		28.47
MOTA	4615	CG	LEU	В	297	36.560	15.523	66.842	1.00	31.47
ATOM	4616	CD1	LEU	В	297	37.742	14.998	66.052	1.00	24.45
ATOM	4617	CD2	LEU	В	297	36.235	16.958	66.462	1.00	26.38
MOTA	4618	С	LEU	В	297	32.852	14.378	67.039	1.00	34.78
MOTA	4619	0	LEU	В	297	31.967	15.133	66.639	1.00	26.92
MOTA	4620	N	HIS	В	298	32.719	13.055	67.036	1.00	42.39
MOTA	4621	CA	HIS			31.505	12.405	66.536	1.00	42.94
ATOM	4622	СВ	HIS			31.714	10.888	66.528		40.75
ATOM	4623	CG	HIS			32.747	10.427	65.545		42.36
ATOM	4624		HIS			34.085	10.309	65.850		43.84
ATOM	4625		HIS			34.758	9.881	64.795		39.31
ATOM	4626		HIS			33.901	9.708	63.804		42.05
ATOM	4627		HIS			32.640	10.043	64.249		43.47
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ATOM	4628	C	HIS	В	298	30.278	12.791	67.348	1.00	35.51	
MOTA	4629	0	HIS	В	298	29.192	12.997	66.800	1.00	32.51	
MOTA	4630	N	GLN	В	299	30.409	12.916	68.669	1.00	33.21	
ATOM	4631	CA	GLN		299	29.266	13.336	69.483	1.00	33.23	
ATOM	4632	CB	GLN		299	29.581	13.264	70.982	1.00	40.20	
MOTA	4633	CG	GLN		299	30.119	11.919	71.443		49.41	
ATOM	4634	CD	GLN		299	30.348	11.829	72.937		54.91	
ATOM	4635	OE1			299	31.345	12.313	73.477		54.96	
ATOM	4636	NE2	GLN		299	29.412	11.192	73.633		62.12	
	4637	C	GLN			28.826	14.743	69.114		32.95	
MOTA			GLN			27.638	15.068	69.089		41.61	
ATOM	4638	0						68.810		32.51	
ATOM	4639	N	CYS		300	29.787	15.623				
MOTA	4640	CA	CYS		300	29.370	16.967	68.419		25.41	
MOTA	4641	CB	CYS		300	30.603	17.848	68.163		23.71	1
ATOM	4642	SG	CYS		300	31.486	18.320	69.679		41.45	1
ATOM	4643	С	CYS		300	28.493	16.946	67.175		29.79	
MOTA	4644	0	CYS		300	27.472	17.628	67.074		30.90	
MOTA	4645	N	VAL		301	28.920	16.157	66.190		37.78	
ATOM	4646	CA	VAL			28.176	16.043	64.943		31.92	
ATOM	4647	CB	VAL		301	28.938	15.212	63.899		35.00	
MOTA	4648	CG1	VAL		301	28.024	14.868	62.728		40.94	
ATOM	4649	CG2	VAL		301	30.179	15.957	63.430		37.17	
ATOM	4650	C	VAL	В	301	26.819	15.404	65.220		27.85	
MOTA	4651	0	VAL	В	301	25.795	15.854	64.720	1.00	36.79	
MOTA	4652	N	ARG	В	302	26.825	14.349	66.036	1.00	42.30	
ATOM	4653	CA	ARG	В	302	25.557	13.697	66.370	1.00	48.19	
ATOM	4654	СВ	ARG		302	25.771	12.523	67.322	1.00	48.82	
ATOM	4655	CG	ARG		302	24.477	11.943	67.886	1.00	51.72	
ATOM	4656	CD	ARG		302	24.723	11.322	69.253	1.00	57.09	
ATOM	4657	NE	ARG		302	24.895	12.340	70.291	1.00	63.02	
ATOM	4658	CZ	ARG		302	25.940	12.384	71.110		68.57	
MOTA	4659		ARG		302	26.895	11.472	71.013		88.06	
ATOM	4660		ARG		302	26.046	13.329	72.036		62.92	
ATOM	4661	С	ARG		302	24.599	14.715	66.979		52.02	
ATOM	4662	0	ARG		302	23.481	14.911	66.506		55.97	
MOTA	4663	N	ASP		303	25.064	15.381	68.036		43.78	
ATOM	4664	CA	ASP		303	24.206	16.380	68.673		41.33	
ATOM	4665	СВ	ASP		303	24.923	16.943	69.911		45.65	
ATOM	4666	CG	ASP		303	25.039	15.864	70.980		50.16	
ATOM	4667	OD1				24.298	14.861	70.855		45.98	
ATOM	4668		ASP			25.846	15.982	71.927		34.68	
			ASP			23.795	17.459	67.691		40.46	
ATOM	4669	C						67.734		56.09	
ATOM	4670	0	ASP			22.662	17.955	66.763		34.45	
ATOM	4671	N	VAL			24.662	17.874			48.95	
ATOM	4672	CA	VAL			24.201	18.942	65.868			
ATOM	4673	CB	VAL			25.351	19.587	65.075		49.79	
MOTA	4674		VAL			24.862	20.185	63.765		28.51	
ATOM	4675		VAL			26.027	20.662	65.919		59.44	
ATOM	4676	С	VAL			23.143	18.410	64.907		54.85	
ATOM	4677	0	VAL			22.147	19.072	64.611		47.47	
MOTA	4678	N	LEU			23.356	17.194	64.408		51.63	
MOTA	4679	CA	LEU	В	305	22.375	16.636	63.478	1.00	51.67	

MOTA	4680	CB	LEU	В	305	22.844	15.260	62.996	1.00 41.22
ATOM	4681	CG	LEU	В	305	24.018	15.265	62.015	1.00 34.32
MOTA	4682	CD1	LEU	В	305	24.215	13.904	61.375	1.00 47.80
ATOM	4683	CD2	LEU	В	305	23.809	16.325	60.944	1.00 28.65
MOTA	4684	С	LEU	В	305	21.001	16.567	64.128	1.00 56.67
ATOM	4685	0	LEU	В	305	20.041	17.177	63.650	1.00 54.42
ATOM	4686	N	ARG		306	20.874	15.835	65.235	1.00 57.52
ATOM	4687	CA	ARG		306	19.539	15.658	65.806	1.00 66.45
ATOM	4688	СВ	ARG		306	19.575	14.723	67.019	1.00 67.88
ATOM	4689	CG	ARG		306	20.951	14.533	67.625	1.00 72.91
ATOM	4690	CD	ARG		306	20.877	14.354	69.133	1.00 75.55
MOTA	4691	NE	ARG		306	21.300	13.007	69.521	1.00 78.32
ATOM	4692	CZ	ARG		306	21.914	12.752	70.670	1.00 79.74
ATOM	4693	NH1			306	22.161	13.748	71.509	1.00 73.02
ATOM	4694		ARG		306	22.275	11.514	70.971	1.00 90.52
ATOM	4695	C	ARG		306	18.884	16.972	66.211	1.00 65.71
ATOM	4696	0	ARG		306	17.651	17.050	66.270	1.00 60.57
ATOM	4697	N	ALA		307	19.674	18.000	66.503	1.00 63.41
	4698	CA	ALA		307	19.082	19.268	66.929	1.00 60.95
MOTA	4699	CB	ALA		307	20.137	20.143	67.585	1.00 47.72
ATOM	4700	C	ALA		307	18.413	19.987	65.760	1.00 65.50
ATOM			ALA		307	17.285	20.470	65.877	1.00 57.65
ATOM	4701	O N	ARG		308	19.113	20.054	64.634	1.00 73.88
ATOM	4702	N CA		В	308	18.601	20.681	63.421	1.00 83.95
ATOM	4703	CB		В	308	19.685	20.718	62.342	1.00 82.20
ATOM	4704				308	21.069	21.087	62.860	1.00 81.07
ATOM	4705	CG	ARG ARG		308	22.138	20.840	61.803	1.00 76.97
ATOM	4706	CD	ARG		308	21.546	20.677	60.482	1.00 76.87
ATOM	4707	NE	ARG			22.159	20.442	59.337	1.00 74.18
ATOM	4708	CZ			308	23.476	20.316	59.248	1.00 57.78
ATOM	4709	NH1	ARG		308 308	21.427	20.310	58.233	1.00 64.71
ATOM	4710		ARG ARG		308	17.365	19.943	62.917	1.00 92.86
ATOM	4711	C			308	16.278	20.515	62.815	1.00 85.75
ATOM	4712	O N	ARG LYS		309	17.535	18.658	62.606	1.00 97.18
ATOM	4713	N C7	LYS		309	16.407	17.851	62.152	1.00101.48
ATOM	4714	CA				16.828	16.414	61.850	1.00103.32
ATOM	4715	CB	LYS		309	15.687	15.410	61.805	1.00103.32
ATOM	4716	CG		B B	309	15.273	15.077	60.382	1.00104.02
ATOM	4717	CD	LYS LYS		309	13.920	14.382	60.342	1.00104.23
ATOM	4718	CE						59.216	
ATOM	4719	NZ	LYS			13.811	13.409 17.866	63.202	1.00101.41
ATOM	4720	С	LYS			15.292	16.996	64.071	1.00101.41
ATOM	4721	0	LYS			15.282			1.00103.20
ATOM	4722	N	LEU			14.415	18.846	63.079	
ATOM	4723	CA	LEU			13.251	19.077	63.916	1.00 95.62 1.00 95.83
MOTA	4724	CB	LEU			13.533	18.739	65.380	
MOTA	4725	CG	LEU			13.082	17.359	65.866	1.00 98.74
ATOM	4726		LEU			12.607	16.487	64.713	1.00 84.93
ATOM	4727		LEU			14.202	16.667	66.632	1.00113.56
ATOM	4728	С	LEU			12.786	20.528	63.789	1.00 92.71
ATOM	4729	0	LEU			12.515	21.222	64.765	1.00 74.63
ATOM	4730	014			2	55.288	16.173	78.572	1.00 68.22
MOTA	4731	04	HNI	Z	2	48.070	20.932	75.258	1.00 24.37

MOTA	4732	S1	INH	Z	2	47.385	19.830	74.500	1.00	29.84	1
ATOM	4733	02	INH	Z	2	48.097	19.600	73.249	1.00	23.28	
ATOM	4734	03	INH	Z	2	45.976	19.785	74.420	1.00	19.75	
ATOM	4735	N1	INH	Z	2	47.628	18.601	75.423	1.00	29.61	
MOTA	4736	C2	INH		2	48.913	18.097	75.576	1.00	22.41	
ATOM	4737	C1	INH		2	49.706	18.569	76.616	1.00	17.58	
ATOM	4738	С3	INH		2	49.439	17.157	74.694	1.00	25.75	
ATOM	4739	C4	INH		2	50.726	16.698	74.879	1.00	21.37	
ATOM	4740	C5	INH		2	51.537	17.205	75.894	1.00	28.97	
ATOM	4741	C6	INH		2	50.996	18.159	76.786	1.00	18.78	
ATOM	4742	C8	INH		2	52.976	16.759	76.061	1.00	30.10	
ATOM	4743	C7	INH		2	53.147	15.585	77.076		38.47	
ATOM	4744	C9	INH		2	52.112	14.479	76.942	1.00	50.15	
ATOM	4745	N2	INH		2	52.210	13.593	75.955	1.00	46.78	
ATOM	4746	C10	INH		2	51.114	12.942	75.276	1.00	48.01	
	4747	01	INH	Z	2	51.204	14.431	77.757	1.00	53.75	
ATOM	4748	N11	INH		2	53.037	16.040	78.545	1.00	43.33	
ATOM	4749	C12	INH		2	54.320	16.516	79.194	1.00	55.88	
ATOM	4749	06	INH		2	54.055	17.245	80.374	1.00	62.18	
ATOM		C13	INH		2	55.182	17.437	81.254	1.00		
ATOM	4751				2	55.890	18.762	81.044	1.00	69.79	
ATOM	4752	C14	INH		2		18.833	80.275	1.00	67.74	
ATOM	4753	C15	INH			57.051 57.681	20.064	80.042	1.00	70.03	
ATOM	4754	C16	INH	Z	2		21.249	80.558	1.00	70.11	
ATOM	4755	C17	INH	Z	2	57.152		81.352	1.00	69.36	
ATOM	4756	C18	INH		2	55.999	21.166	81.606	1.00	69.79	
ATOM	4757	C19	INH		2	55.377	19.934		1.00	38.80	
ATOM	4758	014	INH		1	-1.113	8.871	44.215			
ATOM	4759	04	INH	Z	1	6.622	4.171	41.248		25.08 22.22	1
ATOM	4760	S1	INH		1	7.335	5.325	40.618			1
ATOM	4761	02		Z	1	6.828	5.548	39.260	1.00	16.51	
MOTA	4762	03	INH		1	8.747	5.431	40.711	1.00	19.75	
ATOM	4763	N1	INH	Z	1	6.835	6.493	41.497	1.00	20.76	
MOTA	4764	C2	INH		1	5.527	6.957	41.421	1.00	21.28	
MOTA	4765	C1	INH		1	4.584	6.427	42.291		13.44	
ATOM	4766	C3	INH		1	5.132	7.960	40.530		21.95	
ATOM	4767	C4	INH		1	3.817	8.382	40.524	1.00	18.36	
ATOM	4768	C5	INH		1	2.870	7.861	41.415		23.03	
MOTA	4769	C6	INH		1	3.283	6.862	42.323	1.00	16.81	
ATOM	4770	C8	INH		1	1.429	8.323	41.430		24.83	
MOTA	4771	C7	INH	Z	1	1.120	9.380	42.549		39.39	
ATOM	4772	С9	INH		1	2.120	10.521	42.630		40.58	
ATOM	4773	N2	INH	Z	1	2.202	11.436	41.667	1.00		
ATOM	4774	C10	INH	Z	1	3.287	12.393	41.566		43.35	
MOTA	4775	01	INH	Z	1	2.868	10.605	43.592		44.71	
MOTA	4776	N11	INH	Z	1	1.157	8.742	43.948		50.75	
ATOM	4777	C12	INH	Z	1	-0.086	8.670	44.797		50.71	
ATOM	4778	06	INH	Z	1	0.284	8.365	46.128		57.94	
ATOM	4779	C13	INH		1	-0.788	8.005	47.016		62.79	
ATOM	4780	C14	INH	Z	1	-1.038	6.513	47.116		58.14	
ATOM	4781	C15	INH		1	-2.097	5.926	46.420		57.59	
ATOM	4782	C16	INH		1	-2.357	4.551	46.525	1.00	58.75	
MOTA	4783	C17	INH		1	-1.560	3.742	47.338	1.00	55.57	

ATOM	4784	C18	INH	Z	1		-0.493	3 4.3	37 48	3.028	1.00	55.37
ATOM	4785	C19	INH	Z	1		-0.220	5.7	07 47	7.913	1.00	55.41
ATOM	4786	01	НОН	W	1		10.045	-6.2	06 48	3.501	1.00	9.70
ATOM	4787	01	НОН	W	2		44.009	31.3	32 82	2.099	1.00	12.76
MOTA	4788	01	НОН	W	3		-1.504	3.0	25 37	7.601	1.00	14.12
ATOM	4789	01	НОН		4		56.634			2.619	1.00	18.84
ATOM	4790	01	НОН		5		-3.336			7.653	1.00	16.96
ATOM	4791	01	НОН		6		59.893			3.111	1.00	
ATOM	4792	01	НОН		7		0.940			.426	1.00	15.51
ATOM	4793	01	НОН		8		56.585			.563	1.00	17.34
ATOM	4794	01	НОН		. 9		-3.244			1.798	1.00	13.56
ATOM	4795	01	НОН		10		1.553			5.953	1.00	13.15
ATOM	4796	01	HOH		11		-4.895			3.816	1.00	16.00
ATOM	4797	01	НОН		12		55.065			.150	1.00	18.78
ATOM	4798	01	НОН		13		-2.710			.526	1.00	25.85
ATOM	4799	01	НОН		14		-1.058			.416	1.00	16.59
MOTA	4800	01	НОН		15		58.883			1.102	1.00	17.41
MOTA	4801	01	НОН		16		14.129			2.224	1.00	25.25
MOTA	4802	01	НОН		17		15.198			.861	1.00	17.95
MOTA	4803	01	НОН		18		-5.309			.477	1.00	17.89
ATOM	4804	01	НОН	W	19		59.756	17.5		.776	1.00	24.77
ATOM	4805	01	НОН		20		-6.619	-5.9	80 43	.124	1.00	18.09
ATOM	4806	01	HOH	W	21	!	54.142	29.8	09 70	.726	1.00	17.84
MOTA	4807	01	НОН	W	22		0.201	-5.3	67 22	.242	1.00	20.61
ATOM	4808	01	НОН	W	23		4.276	11.6	48 28	.034	1.00	21.90
ATOM	4809	01	НОН	M	24	!	51.995	13.2	31 62	.486	1.00	21.98
ATOM	4810	01	НОН	W	25		-2.328	13.4		.320	1.00	20.24
ATOM	4811	01	НОН	W	26		41.283			.924	1.00	23.47
ATOM	4812	01	НОН		27		13.869			.406	1.00	23.14
ATOM	4813	01	НОН	W	28		15.304			.802		21.59
ATOM	4814	01	НОН		29		12.631			.093	1.00	
ATOM	4815	01	НОН		30		14.431			.240		25.13
ATOM	4816	01	НОН		31		-0.865			.807		17.03
ATOM	4817	01	НОН		32		56.944			.225	1.00	27.48
ATOM	4818	01	НОН		33		14.974			.482	1.00	24.66
ATOM	4819	01	НОН		34		10.344			.385		25.40
ATOM	4820	01	НОН		35		-0.817			.268	1.00	27.05
ATOM	4821	01	НОН		36		15.813			.982	1.00	29.74
ATOM	4822	01	НОН		37		51.459			.950	1.00	24.86
ATOM	4823	01	НОН				51.459 $51.161$	30.4				
					38					.889		24.20
ATOM	4824	01	НОН		39		18.380			.182		20.65
ATOM	4825	01	НОН		40		51.721			.500		23.95
ATOM	4826	01	НОН		41		14.911			.571		25.17
ATOM	4827	01	НОН		42		55.088			.613		20.78
ATOM	4828	01	НОН		43		38.439			.676		24.32
ATOM	4829	01	НОН		44		7.651	-4.70		.960		23.35
ATOM	4830	01	НОН		45		0.668	30.48		.410		20.33
ATOM	4831	01	НОН		46			-14.18		.531		30.12
ATOM	4832	01	НОН		47		0.430	-5.78		.698		31.64
MOTA	4833	01	НОН		48	4	9.454	24.25		.551		24.40
ATOM	4834	01	НОН		49		8.659	-4.7	75 50	.631	1.00	26.30
ATOM	4835	01	НОН	W	50		8.016	-21.23	L6 43	.873	1.00	28.15

ATOM	4836	01	НОН	W	51	41.695	31.267	59.043	1.00	30.73
ATOM	4837	01	НОН	W	52	0.050	1.522	45.671	1.00	24.08
ATOM	4838	01	НОН	W	53	9.328	8.423	41.215	1.00	24.60
ATOM	4839	01	НОН	W	54	18.246	-7.424	47.752	1.00	27.95
ATOM	4840	01	НОН		55	17.680	-18.968	48.425	1.00	49.05
ATOM	4841	01	НОН		56	63.663	32.033	67.334	1.00	33.07
ATOM	4842	01	НОН		57	12.879	-8.580	21.032		30.73
ATOM	4843	01	НОН		58	43.952	35.751	61.678		24.11
ATOM	4844	01	НОН		59	5.457	2.609	21.937		33.95
ATOM	4845	01	НОН		60	41.656	34.732	60.883		26.67
	4846	01	НОН		61	10.826	-7.011	21.512		26.24
ATOM			НОН		62	46.866	32.271	55.142		28.91
MOTA	4847	01			63	-4.848	-11.748	39.346		22.84
ATOM	4848	01	HOH				-15.828	33.871		27.34
ATOM	4849	01	HOH		64	-1.807	-8.364	24.800		25.02
ATOM	4850	01	HOH		65	15.309		17.825	1.00	26.51
ATOM	4851	01	НОН		66	10.589	-3.957			
MOTA	4852	01	НОН		67	53.967	24.496	54.681		44.06
MOTA	4853	01	НОН		68		-11.936	38.629	1.00	28.80
MOTA	4854	01	НОН		69	7.664	0.885	20.675	1.00	
MOTA	4855	01	нон		70	59.900	18.836	77.896		40.35
ATOM	4856	01	нон		71	45.172	16.962	74.854		28.34
MOTA	4857	01	нон	W	72	-7.743	-7.173	31.484		26.07
ATOM	4858	01	НОН	W	73	62.769	33.034	57.586		26.41
MOTA	4859	01	нон	W	74		-14.302	44.406		26.86
MOTA	4860	01	нон	W	75	23.222	-0.340	29.959		22.19
MOTA	4861	01	НОН	W	76	-0.197	-0.646	21.222	1.00	27.09
ATOM	4862	01	НОН	W	77	42.078	33.736	57.956	1.00	26.98
MOTA	4863	01	НОН	W	78	57.402	25.819	56.138		32.63
ATOM	4864	01	нон	W	79	55.439	12.986	71.228	1.00	29.87
MOTA	4865	01	нон	W	80	34.396	8.529	61.576	1.00	43.51
MOTA	4866	01	нон	W	81	47.286	29.177	51.681	1.00	31.35
ATOM	4867	01	нон		82	30.677	31.060	77.998	1.00	47.26
ATOM	4868	01	нон		83	41.588	15.444	81.328	1.00	41.21
ATOM	4869	01	НОН		84	2.486	5.248	46.367	1.00	34.85
ATOM	4870	01	НОН		85	63.709	21.021	72.928	1.00	28.76
ATOM	4871	01	НОН		86	27.619	8.328	44.050	1.00	31.73
ATOM	4872	01	НОН		87	-5.332	-10.734	36.523	1.00	25.53
ATOM	4873	01	НОН		88	62.256	24.240	57.795		27.98
ATOM	4874	01	НОН		89	7.339	-1.362	55.174		27.75
ATOM	4875	01	НОН		90	-3.541		46.374		29.31
ATOM	4876	01	НОН		91	12.753	0.559	47.705		25.52
ATOM	4877	01	НОН		92	52.949		79.040		31.30
ATOM	4878	01	НОН		93	36.070		80.601		30.93
ATOM	4879	01	НОН		94	59.810	36.762	74.769		30.79
	4880	01	НОН		95	-12.875	5.864	27.849		26.59
ATOM		01	НОН		96	53.121	29.855	85.728		31.07
MOTA	4881				97	51.540	25.787	52.492		31.52
ATOM	4882	01 01	HOH HOH		98	18.594	-19.849	45.929		43.83
ATOM	4883				99		-18.000	43.929		30.93
ATOM	4884	01	HOH			42.535	36.857	53.627		38.22
ATOM	4885	01	HOH					60.367		32.82
ATOM	4886	01			101	56.933				36.64
MOTA	4887	01	нон	W	102	25.851	-1.470	29.859	1.00	30.04

ATOM	4888	01	HOH W	103	0.077	-10.003	25.584	1.00 32.46
MOTA	4889	01	HOH W	104	6.037	-0.243	18.292	1.00 42.47
MOTA	4890	01	HOH W	105	-5.627	-8.277	21.845	1.00 34.15
MOTA	4891	01	HOH W	106	4.857	13.360	30.883	1.00 31.69
ATOM	4892	01	HOH W	107	5.308	15.537	21.988	1.00 25.42
MOTA	4893	01	HOH W	108	6.752	-6.565	51.673	1.00 33.36
MOTA	4894	01	HOH W	109	58.057	40.591	69.174	1.00 29.89
ATOM	4895	01	HOH W	110	58.754	7.470	62.072	1.00 35.42
MOTA	4896	01	HOH W	111	3.972	1.588	20.509	1.00 37.26
MOTA	4897	01	HOH W	112	53.197	17.249	55.411	1.00 35.13
MOTA	4898	01	HOH W	113	36.243	21.471	51.543	1.00 48.69
MOTA	4899	01	HOH W	114	-0.096	-4.011	20.309	1.00 39.42
MOTA	4900	01	HOH W	115	49.696	32.306	84.528	1.00 35.44
MOTA	4901	01	HOH W	116	16.010	-16.452	31.337	1.00 44.52
MOTA	4902	01	HOH W	117	54.391	30.745	82.842	1.00 30.52
ATOM	4903	01	HOH W	118	69.018	18.815	64.039	1.00 33.34
ATOM	4904	01	HOH W	119	39.522	30.110	57.759	1.00 23.80
ATOM	4905	01	HOH W	120	-10.594	2.764	34.249	1.00 29.91
ATOM	4906	01	HOH W	121	3.787	-7.512	50.278	1.00 24.62
MOTA	4907	01	HOH W	122	53.957	23.288	80.378	1.00 30.02
MOTA	4908	01	HOH W	123	18.987	-16.652	40.990	1.00 30.01
ATOM	4909	01	HOH W	124	3.080	7.934	45.807	1.00 36.85
MOTA	4910	01	HOH W	125	55.436	7.031	65.054	1.00 41.50
ATOM	4911	01	HOH W	126	12.352	9.382	48.476	1.00 33.99
ATOM	4912	01	HOH W	127	14.471	6.265	26.018	1.00 42.81
MOTA	4913	01	HOH W	128	43.330	38.653	51.761	1.00 46.93
ATOM	4914	01	HOH W	129	-5.913	-20.550	38.143	1.00 33.89
ATOM	4915	01	HOH W	130	20.250	3.300	47.738	1.00 34.00
ATOM	4916	01	HOH W	131	7.970	-2.668	16.219	1.00 35.55
ATOM	4917	01	HOH W	132	61.696	45.509	74.227	1.00 35.13
ATOM	4918	01	HOH W	133	53.846	13.143	73.631	1.00 39.37
MOTA	4919	01	HOH W	134	29.945	17.996	36.926	1.00 46.09
ATOM	4920	01	HOH W	135	58.559	11.600	62.402	1.00 26.91
MOTA	4921	01	HOH W	136	-7.418	-5.438	40.009	1.00 30.49
ATOM	4922	01	HOH W	137	40.559	41.165	64.176	1.00 45.19
ATOM	4923	01	HOH W	138	49.766	27.636	50.150	1.00 29.35
ATOM	4924	01	HOH W	139	65.075	22.379	57.198	1.00 35.09
ATOM	4925	01	HOH W	140	-8.508	3.715	36.930	1.00 34.08
ATOM	4926	01	HOH W	141	58.237	33.281	56.920	1.00 33.91
ATOM	4927	01	HOH W		59.723	42.167	67.906	1.00 31.58
ATOM	4928	01		143	62.056	30.740	54.701	1.00 46.78
ATOM	4929	01		144	1.919	3.683	26.777	1.00 58.65
MOTA	4930	01		145	0.229	8.607	19.127	1.00 28.35
ATOM	4931	01	HOH W		12.101	11.343	20.627	1.00 49.67
ATOM	4932	01	HOH W		23.889	-5.655	45.864	1.00 40.68
ATOM	4933	01	HOH W		41.109	26.972	47.802	1.00 38.59
MOTA	4934	01	HOH W		61.067	15.824	56.464	1.00 36.37
MOTA	4935	01	HOH W		53.684	36.619	56.025	1.00 38.94
MOTA	4936	01	HOH W		9.718	4.642	49.998	1.00 29.80
ATOM	4937	01	HOH W			-11.381	20.564	1.00 35.94
ATOM	4938	01	HOH W		-8.503	6.204	36.690	1.00 33.15
ATOM	4939	01	HOH W	154	52.945	32.067	87.165	1.00 38.96

MOTA	4940	01	HOH W		-3.303	-17.298	32.155	1.00 30.64
MOTA	4941	01	HOH W		43.328	22.392	52.292	1.00 47.87
MOTA	4942	01	HOH W	157	28.970	3.140	30.250	1.00 36.23
MOTA	4943	01	HOH W	158	26.533	-4.056	30.628	1.00 35.32
MOTA	4944	01	HOH W	159	3.437	3.324	18.731	1.00 37.41
MOTA	4945	01	HOH W	160	12.257	5.668	24.272	1.00 33.12
MOTA	4946	01	HOH W	161	28.150	0.298	30.479	1.00 34.00
MOTA	4947	01	HOH W	162	-17.348	-19.031	28.122	1.00 36.82
ATOM	4948	01	HOH W	163	-0.825	-8.283	21.905	1.00 38.81
MOTA	4949	01	HOH W	164	33.831	22.123	80.266	1.00 41.38
MOTA	4950	01	HOH W	165	49.420	49.137	70.663	1.00 48.62
ATOM	4951	01	HOH W	166	50.346	11.884	65.231	1.00 44.32
MOTA	4952	01	HOH W	167	6.773	13.068	43.904	1.00 50.36
MOTA	4953	01	HOH W	168	56.962	16.533	53.665	1.00 38.99
ATOM	4954	01	HOH W	169	19.408	8.728	24.340	1.00 35.51
ATOM	4955	01	HOH W	170	-5.185	6.989	42.383	1.00 48.15
ATOM	4956	01	HOH W	171	33.871	8.380	22.002	1.00 42.56
MOTA	4957	01	HOH W	172	32.356	27.890	84.104	1.00 38.54
MOTA	4958	01	HOH W	173	-1.961	0.606	20.306	1.00 37.03
ATOM	4959	01	HOH W	174	62.208	29.832	76.581	1.00 55.22
ATOM	4960	01	HOH W	175	33.040	26.033	62.143	1.00 33.40
ATOM	4961	01	HOH W	176	17.532	-14.378	31.456	1.00 33.99
MOTA	4962	01	HOH W	177	37.206	7.422	74.312	1.00 38.76
ATOM	4963	01	HOH W	178	29.817	29.620	62.244	1.00 43.78
MOTA	4964	01	HOH W	179	2.238	-5.806	48.797	1.00 24.11
ATOM	4965	01	HOH W	180	50.166	25.503	48.673	1.00 31.60
ATOM	4966	01	HOH W	181	58.506	42.575	64.866	1.00 35.82
ATOM	4967	01	HOH W	182	66.265	21.921	70.420	1.00 39.64
MOTA	4968	01	HOH W	183	0.671	-9.941	18.215	1.00 52.37
ATOM	4969	01	HOH W	184	5.293	12.702	45.868	1.00 64.96
ATOM	4970	01	HOH W	185	26.178	16.910	42.036	1.00 39.26
ATOM	4971	01	HOH W	186	1.316	-1.635	54.945	1.00 32.69
ATOM	4972	01	HOH W	187	15.079	11.723	21.275	1.00 48.90
ATOM	4973	01	HOH W	188	58.780	8.778	52.598	1.00 55.31
MOTA	4974	01	HOH W	189	-1.566	-17.744	29.231	1.00 40.69
ATOM	4975	01	HOH W	190	-1.443	-20.552	29.054	1.00 36.00
ATOM	4976	01	HOH W	191	40.753	36.433	75.429	1.00 40.90
ATOM	4977	01	HOH W	192	43.705	20.194	83.394	1.00 38.59
MOTA	4978	01	HOH W	193	13.952	8.216	50.830	1.00 55.41
ATOM	4979	01	HOH W	194	17.477	-1.718	14.946	1.00 30.24
MOTA	4980	01	HOH W	195	32.069	3.048	36.009	1.00 37.45
MOTA	4981	01	HOH W	196	49.867	21.149	90.949	1.00 40.22
MOTA	4982	01	HOH W	197	31.011	39.913	82.015	1.00 44.40
MOTA	4983	01	HOH W	198	3.768	7.854	20.763	1.00 37.31
MOTA	4984	01	HOH W	199	36.080	45.674	78.448	1.00 51.48
ATOM	4985	01	HOH W	200	41.126	8.733	35.756	1.00 45.43
ATOM	4986	01	HOH W	201	-3.605	9.194	21.065	1.00 42.26
ATOM	4987	01	HOH W		45.411	20.667	52.071	1.00 47.75
ATOM	4988	01	HOH W		22.572	-2.433	51.460	1.00 51.25
ATOM	4989	01	HOH W	204	-2.340	18.437	23.217	1.00 35.94
ATOM	4990	01	HOH W		4.213	5.779	19.058	1.00 42.01
ATOM	4991	01	HOH W		-0.746	1.998	51.309	1.00 32.75

ATOM	4992	01	HOH W	207	28.139	33.211	71.066	1.00 52.64
ATOM	4993	01	HOH W	208	45.744	7.612	66.653	1.00 41.29
ATOM	4994	01	HOH W	209	36.066	48.240	71.868	1.00 37.65
ATOM	4995	01	HOH W	210	27.068	31.927	66.243	1.00 45.28
MOTA	4996	01	HOH W		6.224	6.872	49.187	1.00 28.10
ATOM	4997	01	HOH W		-4.674	3.941	19.505	1.00 49.63
	4998	01	HOH W		36.180	26.038	50.897	1.00 39.62
ATOM			HOH W		43.768	26.501	91.776	1.00 47.54
ATOM	4999	01			23.227	-12.725	42.616	1.00 47.18
MOTA	5000	01	HOH W					1.00 47.10
ATOM	5001	01	HOH W		-5.818	-21.605	40.616	
ATOM	5002	01	HOH W		31.418	-0.721	30.887	1.00 50.68
MOTA	5003	01	HOH W		30.636	27.485	62.006	1.00 46.74
ATOM	5004	01	HOH W		26.116	18.310	75.358	1.00 48.38
ATOM	5005	01	HOH W		1.345	-9.074	48.599	1.00 38.50
ATOM	5006	01	HOH W		0.416	-1.086	17.311	1.00 48.92
ATOM	5007	01	HOH W	222	54.434	21.262	61.419	1.00 42.93
MOTA	5008	01	HOH W	223	51.386	9.817	55.916	1.00 33.89
ATOM	5009	01	HOH W	224	47.376	31.902	85.186	1.00 47.01
MOTA	5010	01	HOH W	225	14.573	9.677	49.224	1.00 33.72
ATOM	5011	01	HOH W		53.818	34.420	83.299	1.00 40.34
ATOM	5012	01	HOH W		11.775	4.191	51.814	1.00 46.81
ATOM	5013	01	HOH W		36.320	19.863	21.440	1.00 41.37
ATOM	5014	01	HOH W		15.790	10.248	47.362	1.00 37.82
		01	HOH W		1.272	11.705	38.927	1.00 32.13
ATOM	5015		HOH W		-7.721	2.573	21.097	1.00 38.10
ATOM	5016	01					53.553	1.00 38.71
MOTA	5017	01	HOH W		53.283	19.471		1.00 30.71
ATOM	5018	01	HOH W		51.950	32.548	55.051	
ATOM	5019	01	HOH W		58.877	41.394	62.179	1.00 45.27
ATOM	5020	01	HOH W		-8.538	-1.081	21.839	1.00 39.11
ATOM	5021	01	HOH W		-0.733	4.812	51.216	1.00 41.83
MOTA	5022	01	HOH W		60.623	35.681	72.217	1.00 39.90
ATOM	5023	01	HOH W	238	57.744	28.339	55.220	1.00 37.07
MOTA	5024	01	W HOH	239	59.092	12.614	50.910	1.00 48.79
ATOM	5025	01	HOH W	240	68.091	31.724	68.601	1.00 34.66
MOTA	5026	01	HOH W	241	63.691	18.438	72.638	1.00 33.62
ATOM	5027	01	HOH W	242	53.127	41.929	58.612	1.00 47.21
ATOM	5028	01	HOH W	243	1.457	-17.227	23.707	1.00 48.59
MOTA	5029	01	HOH W	244	44.599	4.374	53.989	1.00 55.66
ATOM	5030	01	HOH W		-2.827	19.837	25.584	1.00 44.10
ATOM		01	нон м			-9.408	51.289	1.00 46.21
ATOM	5032	01	HOH W			-11.447	30.436	1.00 45.75
ATOM	5033	01	HOH W		35.419	11.112	74.634	1.00 40.36
			HOH W		49.132	5.615	57.803	1.00 41.51
ATOM	5034	01			-12.594	4.646	35.004	1.00 44.27
ATOM	5035	01	HOH W			3.502	24.096	1.00 53.57
MOTA	5036	01	HOH W		-12.226		79.591	1.00 54.74
MOTA	5037	01	HOH W		49.280	12.394		
ATOM	5038	01	HOH W		44.128	17.693	48.227	1.00 50.05
MOTA	5039	01	HOH W		2.013	-8.971	51.042	1.00 34.88
ATOM	5040	01	HOH W		29.402	-6.675	32.345	1.00 54.78
MOTA	5041	01	HOH W		43.680	17.273	82.570	1.00 36.27
ATOM	5042	01	HOH W	257	31.835	-0.971	66.953	1.00 53.67
MOTA	5043	01	HOH W	258	34.738	9.985	59.599	1.00 38.24

MOTA	5044	01	HOH V	259	52.495	11.009	53.739	1.00	47.65
ATOM	5045	01	HOH W	260	0.140	-7.165	52.324	1.00	48.04
ATOM	5046	01	HOH W	261	64.908	25.810	56.847	1.00	47.20
MOTA	5047	01	HOH W	262	54.501	32.978	55.500		42.65
MOTA	5048	01	HOH W	263	38.723	39.573	64.125		44.25
MOTA	5049	01	HOH W	264	60.016	5.683	60.372	1.00	39.48
MOTA	5050	01	HOH W	265	41.596	40.187	50.813	1.00	39.03
MOTA	5051	01	HOH W	266	9.560	17.462	32.534		35.34
MOTA	5052	01	HOH W	267	3.163	-20.952	48.609		33.97
ATOM	5053	01	HOH W	268	16.265	18.009	17.553		51.71
MOTA	5054	01	HOH W	269	22.132	26.469	35.632	1.00	49.25
MOTA	5055	01	HOH W	270	0.202	17.702	30.444		39.18
MOTA	5056	01	HOH W	271	28.128	10.379	42.510	1.00	41.98
MOTA	5057	01	HOH W	272	19.729	-16.688	38.739	1.00	29.83
MOTA	5058	01	HOH W	273	37.288	16.310	56.333	1.00	54.08
MOTA	5059	01	HOH W	274	26.953	23.484	61.752	1.00	50.25
ATOM	5060	01	HOH W	275	44.052	42.974	56.507	1.00	45.06
MOTA	5061	01	HOH W	276	25.652	3.648	70.742	1.00	42.16
MOTA	5062	01	HOH W	277	1.252	3.132	54.632	1.00	46.31
ATOM	5063	01	HOH W	278	52.770	49.829	63.294	1.00	42.77
ATOM	5064	01	HOH W	279	-2.597	8.623	42.111	1.00	42.65
ATOM	5065	01	HOH W	280	2.122	-5.441	52.479	1.00	50.02
ATOM	5066	01	HOH W	281	51.073	19.397	80.420	1.00	48.41
ATOM	5067	01	HOH W		22.162	16.861	29.165	1.00	44.50
ATOM	5068	01	HOH W	283	11.469	25.200	29.589	1.00	50.84
MOTA	5069	01	HOH W	284	23.699	3.262	46.867	1.00	46.89
MOTA	5070	01	HOH W	285	45.993	9.491	73.544	1.00	47.59
MOTA	5071	01	HOH W	286	34.089	35.336	54.479	1.00	49.25
MOTA	5072	01	HOH W			-10.733	37.488	1.00	33.68
MOTA	5073	01	HOH W		52.692	21.442	83.608	1.00	
MOTA	5074	01	HOH W		31.129	22.350	28.703	1.00	42.85
MOTA	5075	01	HOH W		36.979	25.478	48.592		35.15
MOTA	5076	01	HOH W		59.056	24.357	55.498	1.00	
ATOM	5077	01	HOH W	292	45.058	19.677	57.915		35.81
MOTA	5078	01	HOH W	293	27.531	31.666	63.768	1.00	
ATOM	5079	01	HOH W		15.733	8.228	20.545	1.00 5	
ATOM	5080	01	HOH W		21.402	1.241	51.437	1.00 5	
ATOM	5081	01	HOH W	296	24.337	-2.308	23.410		40.84
ATOM	5082	01	HOH W	297	45.597	49.644	86.607	1.00	
ATOM	5083	01	HOH W		48.392	7.844	54.894	1.00 4	
ATOM	5084	01	HOH W		10.706	-0.247	53.887		36.83
ATOM	5085	01	HOH W		30.841	6.772	42.114		16.90
MOTA	5086	01	HOH W		56.984	31.594	84.598		54.61
ATOM	5087	01	HOH W		23.975	0.753	21.900		58.72
ATOM	5088	01	HOH W	303	25.943	-3.970	26.011		34.27
ATOM	5089	01	HOH W		57.745	27.571	81.771		39.39
ATOM	5090	01	HOH W		8.725	13.816	46.139		52.61
ATOM	5091	01	HOH W		9.642	-2.831	53.313		18.15
ATOM	5092	01	HOH W		-12.355	-6.712	32.342		10.12
ATOM	5093	01	HOH W		10.024	7.396	49.256		37.70
ATOM	5094 5095	01	HOH W		41.071	3.104	32.909	1.00 6	
ATOM	2032	01	HOH W	⊃T0	60.474	28.281	80.505	1.00 5	00.55

MOTA	5096	01	HOH W	311	-0.719	1.660	54.184	1.00 46.99
MOTA	5097	01	HOH W	312	42.157	0.641	32.043	1.00 61.15
MOTA	5098	01	HOH W	313	26.844	31.094	74.091	1.00 57.31
MOTA	5099	01	HOH W	314	7.696	11.428	47.893	1.00 49.96
MOTA	5100	01	HOH W	315	54.048	21.906	53.414	1.00 50.41
ATOM	5101	01	HOH W	316	47.093	3.308	57.181	1.00 49.89
MOTA	5102	01	HOH W	317	0.538	11.547	46.107	1.00 65.71
MOTA	5103	01	HOH W	318	8.860	16.730	39.751	1.00 67.14
MOTA	5104	01	HOH W	319	17.788	-19.138	29.587	1.00 65.65
MOTA	5105	01	HOH W	320	19.712	14.524	17.149	1.00 66.48
MOTA	5106	01	HOH W	321	<del>-</del> 1.219	-11.550	22.358	1.00 64.74
MOTA	5107	01	HOH W	322	6.040	14.352	34.149	1.00 62.82
MOTA	5108	01	HOH W	323	65.030	28.876	55.181	1.00 54.52
MOTA	5109	01	HOH W	324	41.175	4.830	36.570	1.00 59.29
MOTA	5110	01	HOH W	325	15.916	-2.843	51.316	1.00 58.50
ATOM	5111	01	HOH W	326	21.478	17.683	70.720	1.00 50.48
END								

CRYST1	39.	250	71.	12	6 110	.912	90.	00 90.00	90.00		
ATOM	1	230 N	LYS		19	-12			10.114	1.000	47.16
	2	CA	LYS		19	-12			9.085	1.000	
ATOM	3	CB	LYS		19	-11			7.902	1.000	
ATOM	<i>3</i>	CG	LYS		19		. 707		8.149	1.000	
ATOM ATOM	5	CD	LYS		19		.945		6.847	1.000	
	6	CE	LYS		19		. 609				39.13
ATOM	7		LYS		19		. 732			1.000	
ATOM		ΝZ	LYS		19	-11				1.000	
ATOM	8	C 0	LYS		19	-10				1.000	
ATOM	9		THR		20	-11			9.024		38.61
ATOM	10	N CA	THR		20	-11			9.401		
MOTA	11	CA				-13			9.502	1.000	
ATOM	12	CB	THR		20	-13			10.896	1.000	
MOTA	13	0G1	THR		20	-13			8.933	1.000	
ATOM	14	CG2	THR		20				8.414		38.96
MOTA	15	C	THR		20	-11			8.695		26.83
ATOM	16	0	THR		20	-10			7.211		27.43
ATOM	17	N	SER		21	-10					21.10
MOTA	18	CA	SER		21	-10			6.137	1.000	
ATOM	19	CB	SER		21	-11					44.20
ATOM	20	OG	SER		21	-10			4.055		25.82
ATOM	21	С	SER		21		.647		5.144	1.000	
ATOM	22	0	SER		21	-10			5.158	1.000	
MOTA	23	N	CYS		22		.669		4.325		
ATOM	24	CA	CYS		22		.080		3.404	1.000	
MOTA	25	CB	CYS		22		.041		4.056	1.000	
ATOM	26	SG	CYS		22		.599		3.116	1.000	
MOTA	27	С	CYS		22		.445		2.264		28.58
ATOM	28	0	CYS		22		.219		2.161		36.15
ATOM	29	N	PRO		23		.315		1.482	1.000	
MOTA	30	CA	PRO		23		.853		0.450	1.000	
ATOM	31	CB	PRO		23		.120		-0.025		32.50
MOTA	32	CG	PRO		23	-10			0.317		32.13
ATOM	33	CD	PRO		23		.784		1.490		33.79
ATOM	34	С	PRO		23		.229		-0.664		27.64
ATOM	35	0	PRO		23		.703		-0.890	1.000	
ATOM	36	N	ILE		24		.205		-1.275		25.07 26.87
MOTA	37	CA	ILE		24		.480		-2.347 $-1.880$		
ATOM	38	CB	ILE		24		.118				
MOTA	39		ILE		24		.194		-0.616		
ATOM	40		ILE		24		.803		-0.870		
ATOM	41	CG2	ILE		24		.411		-2.982		
ATOM	42	С	ILE		24		.297		-3.489		
ATOM	43	0	ILE		24		.816		-3.288		
MOTA	44	N	LYS		25		.703		-4.692		
ATOM	45	CA	LYS		25		.530		-5.877		
ATOM	4.6	CB	LYS		25		.067		-7.130		
ATOM	47	CG	LYS		25		.546		-7.058		
ATOM	48	CD	LYS		25		.944		-8.227		
ATOM	49	CE	LYS		25		.420		-8.158		
ATOM	50	ΝZ	LYS		25		.640		-7.532		
MOTA	51	С	LYS	A	25	-4	.034	34.363	-6.051	1.000	20.23

ATOM	52	0	LYS	А	25	-3.283	35.312	-5.797		
ATOM	53	N	ILE	Α	26	-3.655	33.153	-6.449	1.000	26.51
MOTA	54	CA	ILE	Α	26	-2.202	32.943	-6.476	1.000	39.40
ATOM	55	СВ	ILE	Α	26	-1.848	31.483	-6.769	1.000	41.92
MOTA	56	CG1	ILE	Α	26	-2.538	30.872	-7.986	1.000	55.69
ATOM	57	CD1	ILE		26	-1.953	29.527	-8.398	1.000	43.15
MOTA	58	CG2	ILE		26	-2.092	30.645	-5.505		30.44
ATOM	59	C	ILE		26	-1.545	33.891	-7.468	1.000	49.89
	60	0	ILE		26	-0.403	34.315	-7.258	1.000	
ATOM					27	-2.257	34.261	-8.535		47.63
ATOM	61	N	ASN				35.182	-9.489	1.000	48.85
ATOM	62	CA	ASN		27	-1.622				58.29
MOTA	63	CB	ASN		27	-2.409		-10.789		
ATOM	64	CG	ASN		27	-3.867	35.634			64.78
ATOM	65		ASN		27	-4.735	34.952		1.000	
MOTA	66	ND2	ASN		27	-4.181	36.732			76.39
ATOM	67	С	ASN	Α	27	-1.419	36.560	-8.875	1.000	42.84
ATOM	68	0	ASN	Α	27	-0.555	37.314	-9.323		45.62
ATOM	69	N	GLN	Α	28	-2.197	36.926	-7.856	1.000	38.86
MOTA	70	CA	GLN	Α	28	-1.986	38.188	-7.174		39.38
ATOM	71	CB	GLN	Α	28	-3.330	38.731	-6.666	1.000	44.68
ATOM	72	CG	GLN	Α	28	-3.622	40.150	-7.123	1.000	69.70
ATOM	73	CD	GLN		28	-3.103	40.420	-8.526	1.000	86.93
ATOM	74	OE1			28	-3.225	39.566		1.0001	17.05
ATOM	75		GLN		28	-2.527	41.600		1.000	74.84
ATOM	76	C	GLN		28	-1.024	38.107			38.67
MOTA	77	0	GLN		28	-0.763	39.173			27.96
	78	N	PHE		29	-0.525	36.933	-5.609		36.04
ATOM	79	CA	PHE		29	0.171	36.807	-4.326		34.34
ATOM						0.531	35.339	-3.998		30.22
ATOM	80	CB	PHE		29			-2.520	1.000	26.86
ATOM	81	CG	PHE		29	0.922	35.274			
ATOM	82	CD1	PHE		29	-0.074	35.297	-1.554	1.000	
ATOM	83	CE1	PHE		29	0.225	35.248		1.000	
MOTA	84	CZ	PHE		29	1.560	35.208	0.168	1.000	38.22
ATOM	85		PHE		29	2.567	35.166	-0.786		38.42
ATOM	86	CD2	PHE		29	2.249	35.197	-2.134	1.000	32.07
ATOM	87	С	PHE		29	1.448	37.636	-4.193	1.000	33.30
ATOM	88	0	PHE	Α	29	1.580	38.350			34.15
MOTA	89	N	GLU	А	30	2.352	37.531	-5.149	1.000	41.14
ATOM	90	CA	GLU	Α	30	3.603	38.271			38.75
MOTA	91	CB	GLU	Α	30	4.200	38.126			
ATOM	92	CG	GLU	Α	30	5.619	38.657	-6.739		
ATOM	93	CD	GLU	Α	30	6.619	37.768	-6.022	1.000	60.13
ATOM	94		GLU		30	6.912	36.658	-6.515	1.000	51.89
ATOM	95		GLU		30	7.109	38.196	-4.954		
ATOM	96	C	GLU		30	3.456	39.755	-4.931		
ATOM	97	0	GLU		30	4.217	40.361	-4.169		
ATOM	98	N	GLY		31	2.463	40.378	-5.572		
	99	CA	GLY		31	2.321	41.815	-5.409		
ATOM						1.552	42.106	-4.143		
ATOM	100	C	GLY		31			-3.521		
ATOM	101	0	GLY		31	1.757	43.141	-3.521 $-3.786$		
ATOM	102	N	HIS		32	0.678	41.149			
MOTA	103	CA	HIS	А	32	0.025	41.293	-2.488	T.000	33.45

MOTA	104	CB	HIS	Α	32	-0.863	40.102	-2.149	1.000	30.08
MOTA	105	CG	HIS	Α	32	-1.356	40.057	-0.738	1.000	25.45
ATOM	106	ND1	HIS	Α	32	-2.309	40.907	-0.234	1.000	36.70
ATOM	107	CE1	HIS	Α	32	-2.555	40.630	1.038	1.000	39.89
ATOM	108	NE2	HIS	Α	32	-1.786	39.603	1.379	1.000	36.80
ATOM	109	CD2	HIS	Α	32	-1.032	39.232	0.292	1.000	26.97
ATOM	110	С	HIS	Α	32	1.101	41.431	-1.410	1.000	35.73
ATOM	111	0	HIS		32	1.007	42.277	-0.516		
ATOM	112	N	PHE		33	2.090	40.543	-1.556	1.000	34.68
ATOM	113	CA	PHE		33	3.120	40.431	-0.515		32.48
ATOM	114	СВ	PHE		33	3.828	39.071	-0.591		
ATOM	115	CG	PHE		33	4.751	38.835	0.595		37.98
ATOM	116	CD1	PHE		33	4.471	39.433	1.812		40.95
ATOM	117	CE1	PHE		33	5.308	39.272	2.895		
	118	CZ	PHE		33	6.440	38.479	2.754	1.000	
MOTA		CE2								
MOTA	119	CD2	PHE PHE		33	6.724	37.866	1.554		26.60
ATOM	120				33	5.875	38.039	0.472		32.44
ATOM	121	C	PHE		33	4.050	41.630	-0.607		36.33
ATOM	122	0	PHE		33	4.526	42.116	0.428		41.59
ATOM	123	N		A	34	4.284	42.170	-1.802	1.000	45.92
ATOM	124	CA	MET		34	5.094	43.397	-1.876		40.90
ATOM	125	СВ	MET	Α	34	5.460	43.656	-3.336		48.61
ATOM	126	CG	MET	A	34	6.895	43.260	-3.662		
ATOM	127	SD	MET	A	34	6.983	41.845	-4.774		86.63
ATOM	128	CE	MET	Α	34	8.572	41.170	-4.254	1.000	72.85
ATOM	129	С		Α	34	4.383	44.588	-1.259		42.23
ATOM	130	0	MET	Α	34	4.968	45.443	-0.568		50.41
ATOM	131	N		A	35	3.065	44.686	-1.458	1.000	34.55
ATOM	132	CA	LYS	Α	35	2.351	45.788	-0.795	1.000	45.08
ATOM	133	CB	LYS	Α	35	0.889	45.809	-1.279	1.000	48.74
MOTA	134	CG	LYS	Α	35	0.793	46.296	-2.720	1.000	51.47
MOTA	135	CD	LYS	Α	35	-0.509	45.889	-3.382	1.000	56.83
MOTA	136	CE	LYS	Α	35	-0.788	46.795	-4.577	1.000	55.04
MOTA	137	NZ	LYS	Α	35	-0.993	46.020	-5.830	1.000	61.49
MOTA	138	С	LYS	Α	35	2.417	45.703	0.717	1.000	38.13
MOTA	139	0	LYS	Α	35	2.575	46.713	1.419	1.000	38.53
MOTA	140	N	LEU	Α	36	2.293	44.483	1.267	1.000	37.05
MOTA	141	CA	LEU	Α	36	2.281	44.337	2.720	1.000	33.35
ATOM	142	CB	LEU	Α	36	1.904	42.922	3.179	1.000	29.64
ATOM	143	CG	LEU	Α	36	0.453	42.474	3.024	1.000	30.10
ATOM	144	CD1	LEU	Α	36	0.259	41.052		1.000	
ATOM	145	CD2	LEU	Α	36	-0.516	43.409	3.723	1.000	31.56
ATOM	146	С	LEU		36	3.641	44.718		1.000	
ATOM	147	0	LEU		36	3.664	45.268		1.000	
ATOM	148	N	GLN		37	4.713	44.426			30.34
ATOM	149	CA	GLN		37	6.073	44.682		1.000	
ATOM	150	СВ	GLN		37	7.038	43.727		1.000	
ATOM	151	CG	GLN		37	7.047	42.323		1.000	
ATOM	152	CD	GLN		37	7.963	41.397		1.000	
ATOM	153		GLN		37	8.895	40.818		1.000	
ATOM	154				37	7.682	41.253		1.000	
ATOM	155	С	GLN		37	6.554	46.116		1.000	

ATOM	156	0	GLN	Α	37	7.585	46.535	3.366 1.000 44.71
MOTA	157	N	ALA	A	38	5.820	46.878	2.014 1.000 51.00
MOTA	158	CA	ALA	A	38	6.214	48.252	1.734 1.000 51.95
ATOM	159	CB	ALA	A	38	5.334	48.856	0.638 1.000 33.90
ATOM	160	С	ALA	A	38	6.155	49.144	2.971 1.000 53.47
ATOM	161	0	ALA		38	5.408	48.911	3.916 1.000 39.54
ATOM	162	N	ASP		39	6.967	50.198	2.923 1.000 54.79
ATOM	163	CA	ASP		39	7.037	51.192	3.990 1.000 41.76
ATOM	164	CB	ASP		39	5.738	51.973	4.114 1.000 38.24
ATOM	165	CG	ASP		39	5.127	52.287	2.757 1.000 53.89
ATOM	166	OD1			39	4.001	52.837	2.732 1.000 61.68
ATOM	167		ASP		39	5.750	52.000	
	168	C						
MOTA			ASP		39	7.401	50.477	5.289 1.000 41.78
ATOM	169	0	ASP		39	6.886	50.753	6.369 1.000 42.20
ATOM	170	N	SER		40	8.339	49.547	5.104 1.000 41.63
ATOM	171	CA	SER		40	8.819	48.736	6.213 1.000 39.11
ATOM	172	CB	SER		40	9.331	49.627	7.344 1.000 45.54
ATOM	173	OG	SER		40	10.507	50.325	6.967 1.000 63.33
ATOM	174	С	SER		40	7.701	47.838	6.726 1.000 33.78
ATOM	175	0	SER		40	7.500	47.791	7.939 1.000 44.33
ATOM	176	N	ASN		41	6.979	47.158	5.831 1.000 36.63
MOTA	177	CA	ASN	Α	41	5.911	46.290	6.314 1.000 46.11
ATOM	178	CB	ASN	Α	41	6.386	45.245	7.332 1.000 39.56
MOTA	179	CG	ASN	Α	41	7.336	44.240	6.734 1.000 39.34
MOTA	180	OD1	ASN	Α	41	7.679	43.246	7.379 1.000 66.37
ATOM	181	ND2	ASN	Α	41	7.760	44.503	5.505 1.000 47.43
MOTA	182	С	ASN	Α	41	4.833	47.097	7.034 1.000 52.00
ATOM	183	0	ASN	Α	41	4.484	46.727	8.159 1.000 45.88
ATOM	184	N	TYR	Α	42	4.366	48.150	6.376 1.000 47.78
ATOM	185	CA	TYR	Α	42	3.394	49.022	7.014 1.000 48.64
ATOM	186	СВ	TYR	A	42	3.181	50.305	6.197 1.000 50.57
MOTA	187	CG	TYR	Α	42	2.110	51.181	6.818 1.000 60.30
ATOM	188	CD1	TYR	Α	42	2.315	51.798	8.049 1.000 73.71
ATOM	189	CE1	TYR		42	1.345	52.597	8.619 1.000 79.76
ATOM	190	CZ	TYR		42	0.148	52.779	7.947 1.000 83.87
ATOM	191	OH	TYR		42	-0.829	53.570	8.494 1.000 96.86
ATOM	192	CE2	TYR		42	-0.084	52.176	6.728 1.000 77.87
ATOM	193	CD2	TYR		42	0.899	51.382	6.173 1.000 69.62
ATOM	194	C	TYR		42	2.080	48.272	7.202 1.000 40.91
ATOM	195	0	TYR		42	1.518	48.233	8.297 1.000 38.94
ATOM	196	N	LEU		43	1.628	47.688	6.094 1.000 39.86
ATOM	197	CA	LEU		43	0.324	47.037	6.065 1.000 38.25
ATOM	198							
		CB	LEU		43	-0.240	46.976	4.648 1.000 34.42
ATOM	199	CG	LEU		43	-0.625	48.329	4.021 1.000 39.05
ATOM	200		LEU		43	-0.840	48.146	2.529 1.000 35.82
ATOM	201		LEU		43	-1.869	48.904	4.671 1.000 38.28
ATOM	202	C	LEU		43	0.401	45.628	6.658 1.000 40.26
ATOM	203	0	LEU		43	-0.571	45.204	7.288 1.000 41.80
ATOM	204	N	LEU		44	1.531	44.954	6.473 1.000 40.52
ATOM	205	CA	LEU		44	1.755	43.658	7.118 1.000 40.17
ATOM	206	CB	LEU		44	3.181	43.148	6.903 1.000 40.11
ATOM	207	CG	LEU	A	44	3.410	41.689	7.327 1.000 39.64

ATOM 208 CD1 LEU A 44											
ATOM 210 C LEU A 44 0.821 2.859 9.180 1.000 35.07 ATOM 211 O LEU A 44 0.821 42.859 9.180 1.000 35.07 ATOM 212 N SER A 45 2.019 44.759 9.269 1.000 33.03 ATOM 213 CA SER A 45 1.856 44.909 10.710 1.000 33.03 ATOM 214 CB SER A 45 1.856 44.909 10.710 1.000 33.03 ATOM 215 OG SER A 45 1.856 44.909 10.710 1.000 33.03 ATOM 216 C SER A 45 1.856 44.909 10.710 1.000 33.03 ATOM 217 O SER A 45 1.856 44.909 10.710 1.000 33.03 ATOM 216 C SER A 45 1.856 44.909 10.710 1.000 33.03 ATOM 217 O SER A 45 0.433 45.275 11.087 1.000 36.97 ATOM 217 O SER A 45 -0.131 44.758 12.058 1.000 34.85 ATOM 218 N LYS A 46 -0.211 46.176 10.345 1.000 34.85 ATOM 219 CA LYS A 46 -1.630 46.418 10.604 1.000 31.36 ATOM 221 CG LYS A 46 -2.199 47.461 9.636 1.000 36.16 ATOM 222 CD LYS A 46 -2.286 49.966 9.884 1.000 50.59 ATOM 223 CE LYS A 46 -1.915 50.631 11.197 1.000 58.31 ATOM 224 NZ LYS A 46 -2.286 49.966 9.884 1.000 50.59 ATOM 225 C LYS A 46 -2.286 49.966 9.884 1.000 34.27 ATOM 226 O LYS A 46 -2.286 49.966 9.884 1.000 66.09 ATOM 227 N GLU A 47 -2.810 43.006 9.332 1.000 33.64 ATOM 228 CA GLU A 47 -2.810 43.006 9.332 1.000 33.53 ATOM 229 CB GLU A 47 -2.810 43.006 9.332 1.000 33.53 ATOM 230 CG GLU A 47 -2.437 42.314 8.818 1.000 35.99 ATOM 231 CD GLU A 47 -2.810 43.006 9.332 1.000 33.53 ATOM 232 CB LYS A 48 -2.437 42.314 8.818 1.000 35.99 ATOM 233 CD GLU A 47 -2.437 42.314 8.818 1.000 35.99 ATOM 234 C GLU A 47 -2.437 42.314 8.818 1.000 35.99 ATOM 235 C GLU A 47 -2.437 42.314 8.818 1.000 35.99 ATOM 236 N TYR A 48 -0.991 41.057 11.983 1.000 31.53 ATOM 237 CA TYR A 48 -0.991 41.057 11.983 1.000 31.53 ATOM 238 CB TYR A 48 -0.991 41.057 11.983 1.000 31.53 ATOM 239 CG TYR A 48 -0.991 41.057 11.983 1.000 31.53 ATOM 240 CD TYR A 48 -0.991 41.057 11.983 1.000 33.68 ATOM 240 CD TYR A 48 -0.991 41.057 11.983 1.000 33.68 ATOM 240 CD TYR A 48 -0.991 41.057 11.983 1.000 33.68 ATOM 240 CD TYR A 48 -0.991 41.057 11.983 1.000 33.68 ATOM 240 CD TYR A 48 -0.991 41.057 11.983 1.000 33.68 ATOM 240 CD TYR A 48 -0.991 41.057 11.983 1.000 33.69 ATOM 240 CD TYR A 48 -0.991 41.057 11	ATOM		CD1	LEU	Α	44	4.236	40.957	6.288	1.000	46.27
ATOM 211 O LEU A 44 ATOM 212 N SER A 45 ATOM 212 C SER A 45 ATOM 213 CA SER A 45 ATOM 214 CB SER A 45 ATOM 215 OG SER A 45 ATOM 215 OG SER A 45 ATOM 216 C SER A 45 ATOM 217 O SER A 45 ATOM 217 O SER A 45 ATOM 218 N LYS A 46 ATOM 218 N LYS A 46 ATOM 219 CC B LYS A 46 ATOM 219 CA LYS A 46 ATOM 210 CB LYS A 46 ATOM 220 CB LYS A 46 ATOM 221 CG LYS A 46 ATOM 222 CD LYS A 46 ATOM 223 CE LYS A 46 ATOM 223 CE LYS A 46 ATOM 224 NZ LYS A 46 ATOM 225 C LYS A 46 ATOM 226 C LYS A 46 ATOM 227 N G LYS A 46 ATOM 228 N LYS A 46 ATOM 229 CB LYS A 46 ATOM 220 CB LYS A 46 ATOM 220 CB LYS A 46 ATOM 221 CG LYS A 46 ATOM 222 CD LYS A 46 ATOM 223 CE LYS A 46 ATOM 224 NZ LYS A 46 ATOM 225 C LYS A 46 ATOM 226 N LYS A 46 ATOM 227 N G LYS A 46 ATOM 227 N G LYS A 46 ATOM 228 N LYS A 46 ATOM 227 N G LYS A 46 ATOM 228 CA GLU A 47 ATOM 228 CA GLU A 47 ATOM 229 CB GLU A 47 ATOM 220 CB GLU A 47 ATOM 230 CG GLU A 47 ATOM 231 CD GLU A 47 ATOM 232 CE LYS A 46 ATOM 233 CE LYS A 46 ATOM 234 NZ LYS A 46 ATOM 235 CG LYS A 46 ATOM 226 C LYS A 46 ATOM 227 N GLU A 47 ATOM 228 CA GLU A 47 ATOM 228 CA GLU A 47 ATOM 229 CB GLU A 47 ATOM 230 CG GLU A 47 ATOM 231 CD GLU A 47 ATOM 231 CD GLU A 47 ATOM 232 CE LYS A 46 ATOM 233 OE2 GLU A 47 ATOM 234 NZ LYS A 46 ATOM 235 CG GLU A 47 ATOM 236 N TYR A 48 ATOM 237 CA TYR A 48 ATOM 238 CB TYR A 48 ATOM 239 CG TYR A 48 ATOM 239 CG TYR A 48 ATOM 230 CG TYR A 48 ATOM 230 CG TYR A 48 ATOM 231 CD GLU A 47 ATOM 230 CG TYR A 48 ATOM 231 CG TYR A 48 ATOM 232 CC TYR A 48 ATOM 234 CC TYR A 48 ATOM 235 CG TYR A 48 ATOM 236 CG TYR A 48 ATOM 237 CA TYR A 48 ATOM 238 CB TYR A 48 ATOM 239 CG TYR A 48 ATOM 240 CD TYR A 48 ATOM 241 CEL TYR A 48 ATOM 242 CC TYR A 48 ATOM 242 CC TYR A 48 ATOM 244 CC TYR A 48 ATOM 245 CC GLU A 49 ATOM 246 CC TYR A 48 ATOM 247 CG GLU A 49 ATOM 248 N GLU A 49 ATOM 255 CG GLU A 49 ATOM 256 CG GLU A 49 ATOM 257 N GLU A 49 ATOM 258 CB GLU A 49	MOTA	209	CD2	LEU	Α	44	4.073	41.640	8.693	1.000	36.71
ATOM 212 N SER A 45	ATOM	210	С	LEU	Α	44	1.490	43.724	8.616	1.000	40.53
ATOM 213 CA SER A 45	ATOM	211	0	LEU	Α	44	0.821	42.859	9.180	1.000	35.07
ATOM 213 CA SER A 45	ATOM	212	N	SER	Α	45	2.019	44.759	9.269	1.000	33.52
ATOM 215 OG SER A 45	ATOM	213	CA	SER	Α	45					
ATOM 216 C SER A 45	ATOM	214	СВ	SER	Α	45					
ATOM	ATOM	215	OG			45					
ATOM 218 N LYS A 46											
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ATOM 222 CD LYS A 46											
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ATOM 228 CA GLU A 47 -2.882 44.251 9.555 1.000 27.42 ATOM 228 CA GLU A 47 -2.810 43.006 9.332 1.000 33.85 ATOM 229 CB GLU A 47 -2.810 43.006 9.332 1.000 33.85 ATOM 230 CG GLU A 47 -3.311 41.079 7.802 1.000 36.26 ATOM 231 CD GLU A 47 -3.301 40.603 6.369 1.000 33.51 ATOM 232 OE1 GLU A 47 -4.136 41.068 5.559 1.000 34.52 ATOM 233 OE2 GLU A 47 -2.433 39.753 6.076 1.000 31.53 ATOM 234 C GLU A 47 -2.560 41.985 10.443 1.000 30.28 ATOM 235 O GLU A 47 -3.506 41.345 10.901 1.000 37.61 ATOM 236 N TYR A 48 -1.298 41.883 10.836 1.000 30.47 ATOM 237 CA TYR A 48 -0.931 41.057 11.983 1.000 29.64 ATOM 238 CB TYR A 48 0.590 41.107 12.208 1.000 34.11 ATOM 239 CG TYR A 48 1.016 40.197 13.336 1.000 31.94 ATOM 240 CD1 TYR A 48 1.016 40.197 13.336 1.000 33.96 ATOM 241 CE1 TYR A 48 1.231 37.938 14.175 1.000 32.68 ATOM 242 CZ TYR A 48 1.754 38.404 15.360 1.000 39.47 ATOM 244 CE2 TYR A 48 1.754 38.404 15.360 1.000 39.47 ATOM 244 CE2 TYR A 48 1.754 38.404 15.360 1.000 39.47 ATOM 245 CD2 TYR A 48 1.911 39.760 15.548 1.000 39.70 ATOM 247 O TYR A 48 -2.201 40.748 14.500 1.000 36.26 ATOM 249 CA GLU A 49 -2.480 43.503 14.469 1.000 34.55 ATOM 249 CA GLU A 49 -2.480 43.503 14.469 1.000 34.55 ATOM 255 CB GLU A 49 -0.796 45.295 14.919 1.000 41.28 ATOM 255 CD GLU A 49 -0.796 45.295 14.919 1.000 41.28 ATOM 255 CD GLU A 49 -1.540 45.294 17.171 1.000 64.46 ATOM 255 CD GLU A 49 -1.540 45.294 17.171 1.000 64.46 ATOM 255 CD GLU A 49 -1.540 45.294 17.171 1.000 64.46 ATOM 255 CD GLU A 49 -1.540 45.294 17.171 1.000 64.46 ATOM 255 CD GLU A 49 -1.540 45.294 17.171 1.000 64.46 ATOM 255 CD GLU A 49 -1.540 45.294 17.171 1.000 64.46 ATOM 255 CD GLU A 49 -1.540 45.294 17.171 1.000 64.46 ATOM 255 CD GLU A 49 -1.540 45.294 17.171 1.000 64.46 ATOM 255 CG GLU A 49 -1.540 45.294 17.171 1.000 64.46 ATOM 255 CG GLU A 49 -1.540 45.294 17.171 1.000 64.46 ATOM 255 CG GLU A 49 -1.540 45.294 17.171 1.000 64.46 ATOM 255 CG GLU A 49 -1.540 45.294 17.171 1.000 64.46 ATOM 255 CG GLU A 49 -1.540 45.294 17.171 1.000 24.66											
ATOM											
ATOM 229 CB GLU A 47 -2.437 42.314 8.018 1.000 35.99 ATOM 230 CG GLU A 47 -3.311 41.079 7.802 1.000 36.26 ATOM 231 CD GLU A 47 -3.311 41.079 7.802 1.000 36.26 ATOM 232 OE1 GLU A 47 -4.136 41.068 5.559 1.000 33.51 ATOM 233 OE2 GLU A 47 -2.433 39.753 6.076 1.000 31.53 ATOM 234 C GLU A 47 -2.560 41.985 10.443 1.000 30.28 ATOM 235 O GLU A 47 -3.506 41.345 10.901 1.000 37.61 ATOM 236 N TYR A 48 -1.298 41.883 10.836 1.000 30.47 ATOM 237 CA TYR A 48 -0.931 41.057 11.983 1.000 29.64 ATOM 238 CB TYR A 48 0.590 41.107 12.208 1.000 34.11 ATOM 239 CG TYR A 48 1.016 40.197 13.336 1.000 31.94 ATOM 240 CD1 TYR A 48 0.866 38.821 13.183 1.000 33.96 ATOM 241 CE1 TYR A 48 1.231 37.938 14.175 1.000 32.68 ATOM 242 CZ TYR A 48 1.231 37.938 14.175 1.000 32.68 ATOM 243 OH TYR A 48 1.231 37.938 14.175 1.000 32.68 ATOM 244 CE2 TYR A 48 1.911 39.760 15.548 1.000 38.47 ATOM 246 C TYR A 48 1.542 40.648 14.540 1.000 36.26 ATOM 247 CD TYR A 48 1.542 40.648 14.540 1.000 36.26 ATOM 246 C TYR A 48 -2.201 40.748 14.015 1.000 37.97 ATOM 247 O TYR A 48 -2.201 40.748 14.015 1.000 34.67 ATOM 249 CA GLU A 49 -1.839 42.852 13.334 1.000 34.55 ATOM 249 CA GLU A 49 -2.480 43.503 14.469 1.000 34.55 ATOM 250 CB GLU A 49 -2.266 45.029 14.435 1.000 31.26 ATOM 251 CG GLU A 49 -0.776 45.295 14.919 1.000 41.28 ATOM 253 OE1 GLU A 49 -0.776 45.295 14.919 1.000 49.76 ATOM 254 CE2 GLU A 49 -0.776 45.295 14.919 1.000 49.76 ATOM 255 CD GLU A 49 -0.770 44.824 16.368 1.000 46.36 ATOM 257 N GLU A 49 -1.540 45.294 17.171 1.000 64.46 ATOM 257 N GLU A 49 -4.611 43.212 15.530 1.000 31.99 ATOM 258 CA GLU A 49 -4.611 43.212 15.530 1.000 31.99 ATOM 257 N GLU A 50 -4.527 43.054 13.298 1.000 24.66 ATOM 258 CA GLU A 50 -4.527 43.054 13.298 1.000 24.66											
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ATOM 258 CA GLU A 50 -5.942 42.729 13.220 1.000 33.35											
	ATOM		CB								

ATOM	260	CG	GLU	Α	50	-	6.190	43.933	10.956	1.000	42.22
MOTA	261	CD	GLU	Α	50	_	7.128	43.945	9.750	1.000	52.34
ATOM	262	OE1	GLU	Α	50	_	8.357	43.957	9.988	1.000	46.50
ATOM	263	OE2	GLU	Α	50	_	6.639	43.930	8.604	1.000	70.90
ATOM	264	С	GLU		50		6.238	41.369	13.861	1.000	25.23
ATOM	265	0	GLU		50		7.375	41.121	14.248	1.000	
ATOM	266	N	LEU		51		5.239	40.508	13.957	1.000	
ATOM	267	CA	LEU		51		5.447	39.194	14.580	1.000	21.27
ATOM	268	СВ	LEU		51		4.470	38.237	13.898	1.000	
ATOM	269	CG	LEU		51		4.752	38.015	12.411	1.000	26.33
ATOM	270	CD1	LEU		51		3.531	37.428	11.721	1.000	24.42
ATOM	271	CD2			51		5.938	37.428	12.208	1.000	28.60
	272	C	LEU		51			39.188	16.068	1.000	28.00
ATOM							5.186				
ATOM	273	0	LEU		51		5.315	38.171	16.742	1.000	26.46
ATOM	274	N	LYS		52		4.767	40.325	16.620	1.000	26.04
ATOM	275	CA	LYS		52		4.297	40.372	18.002	1.000	
ATOM	276	СВ	LYS		52		3.950	41.832	18.319	1.000	30.97
ATOM	277	CG	LYS		52		3.602	42.133	19.765	1.000	36.67
ATOM	278	CD	LYS		52		2.878	43.478	19.823	1.000	47.93
ATOM	279	CE	LYS		52		3.089	44.186	21.148	1.000	54.43
ATOM	280	ΝZ	LYS		52		3.831	45.481	20.963	1.000	76.91
ATOM	281	С	LYS	Α	52	-	5.281	39.803	19.009	1.000	30.56
MOTA	282	0	LYS	Α	52	-	4.866	38.997	19.848	1.000	31.78
ATOM	283	N	ASP	Α	53	-	6.560	40.166	18.951	1.000	22.00
ATOM	284	CA	ASP	A	53	_	7.502	39.716	19.960	1.000	27.33
ATOM	285	CB	ASP	Α	53	-	8.442	40.858	20.385	1.000	30.10
ATOM	286	CG	ASP	Α	53	_	7.622	42.098	20.721	1.000	47.01
ATOM	287	OD1	ASP	Α	53	_	6.798	42.004	21.657	1.000	67.96
ATOM	288	OD2	ASP	Α	53	_	7.810	43.119	20.027	1.000	65.18
ATOM	289	С	ASP	Α	53	-:	8.370	38.541	19.536	1.000	25.20
ATOM	290	0	ASP		53		9.268	38.189	20.304		25.98
ATOM	291	N	VAL		54		8.123	37.957	18.372	1.000	23.81
MOTA	292	CA	VAL		54		8.897	36.770	17.995	1.000	20.94
ATOM	293	СВ	VAL		54		8.477	36.258	16.616	1.000	22.31
ATOM	294	CG1	VAL		54		9.232	34.978	16.241	1.000	29.30
ATOM	295	CG2	VAL		54		3.710	37.323	15.543	1.000	21.16
ATOM	296	C	VAL		54		3.722	35.657	19.047	1.000	22.79
ATOM	297	Ö	VAL		54		7.595	35.307	19.395	1.000	24.33
ATOM	298	N	GLY		55		9.835	35.135	19.514	1.000	19.38
ATOM	299	CA	GLY		55		0.013	34.105	20.496		
ATOM	300	C	GLY		55		9.849	34.103	21.923		
ATOM	301	0	GLY		55		0.150	33.822	22.828		
	302	N			56				22.020		
ATOM			ARG				9.400	35.842			
ATOM	303	CA	ARG		56 56		3.976	36.366	23.416		31.63
ATOM	304	CB	ARG		56		3.162	37.661	23.262		32.19
ATOM	305	CG	ARG		56		5.762	37.493	22.699		31.76
ATOM	306	CD	ARG		56		5.957	36.532	23.528		29.57
ATOM	307	NE	ARG		56		1.544	36.431	23.220		30.87
ATOM	308	CZ	ARG		56		3.526	37.074	23.757		30.34
ATOM	309		ARG		56		3.681	37.983	24.710		22.02
ATOM	310		ARG		56		2.280	36.828	23.339		31.11
ATOM	311	С	ARG	A	56	-10	).110	36.645	24.386	1.000	27.29

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MOTA	312	0	ARG	A	56	-9.904	37.126	25.512 1		30.11
ATOM	313	N	ASN	Α	57	-11.352	36.365	24.023 1	000	19.89
ATOM	314	CA	ASN	Α	57	-12.429	36.544	24.990 1	.000	21.90
ATOM	315	CB	ASN	Α	57	-13.713	36.926	24.246 1	.000	27.73
MOTA	316	CG	ASN	Α	57	-14.041	35.852	23.214 1	.000	36.94
ATOM	317		ASN		57	-13.158	35.389	22.486 1	.000	42.61
ATOM	318		ASN		57	-15.303	35.449	23.148 1	.000	39.27
ATOM	319	C	ASN		57	-12.594	35.274			27.58
ATOM	320	0	ASN		57	-13.336	35.218			32.05
	321	N	GLN		58	-11.917	34.193			25.93
ATOM		CA	GLN		58	-12.213	32.925			23.11
ATOM	322				58	-11.975	31.773		.000	24.51
ATOM	323	CB	GLN			-12.758	31.773			19.93
ATOM	324	CG	GLN		58					21.00
MOTA	325	CD	GLN		58	-12.245	30.977			
ATOM	326	OE1	GLN		58	-11.224	31.206			21.51
ATOM	327	NE2	GLN		58	-12.953	29.879			21.23
MOTA	328	С	GLN		58	-11.396	32.695			23.30
ATOM	329	0	GLN		58	-10.242	33.132			24.27
MOTA	330	N	SER	A	59	-11.981	31.996		.000	19.68
ATOM	331	CA	SER	A	59	-11.377	31.719		.000	20.00
ATOM	332	CB	SER	А	59	-12.481	31.570			29.01
ATOM	333	OG	SER	Α	59	-13.222	30.375			51.65
ATOM	334	С	SER	A	59	-10.565	30.423	29.617 1		32.69
MOTA	335	0	SER	Α	59	-10.792	29.571		.000	24.40
ATOM	336	N	CYS	Α	60	-9.682	30.285	30.596 1	.000	21.63
ATOM	337	CA	CYS	A	60	-8.872	29.128	30.861 1	.000	19.92
ATOM	338	СВ	CYS	Α	60	-7.392	29.346	30.568 1	.000	20.33
ATOM	339	SG	CYS		60	-7.068	30.023	28.934 1	.000	23.64
ATOM	340	С	CYS	А	60	-8.980	28.736	32.344 1	.000	21.45
ATOM	341	0	CYS		60	-7.941	28.497	32.959 1	.000	20.03
ATOM	342	N	ASP		61	-10.220	28.697	32.804 1	.000	22.24
ATOM	343	CA	ASP		61	-10.439	28.455	34.236 1	.000	22.76
ATOM	344	СВ	ASP		61	-11.912	28.676			26.65
ATOM	345	CG	ASP		61	-12.408	30.099			27.80
ATOM	346		ASP		61	-11.617	31.062		.000	25.45
ATOM	347		ASP		61	-13.650	30.248	34.356 1		28.50
ATOM	348	C	ASP		61	-9.962	27.065			27.73
ATOM	349	0	ASP		61	-9.345	26.878		.000	
	350	N	ILE		62	-10.221	26.052	33.792 1		
ATOM		CA	ILE		62	-9.809	24.698	34.223 1		
ATOM	351					-10.325	23.659	33.214 1		
ATOM	352	CB	ILE		62		23.755	33.010 1		
ATOM	353		ILE		62	-11.838		34.306 1		
ATOM	354		ILE		62	-12.609	23.524	33.624 1		
ATOM	355		ILE		62	-9.903	22.258	34.399 1		
MOTA	356	С	ILE		62	-8.309	24.617			
MOTA	357	0	ILE		62	-7.792	24.134	35.422 1		
MOTA	358	N	ALA		63	-7.566	25.123	33.412 1		
ATOM	359	CA	ALA		63	-6.122	25.164	33.470 1		
MOTA	360	CB	ALA		63	-5.549	25.916	32.285 1		
MOTA	361	С	ALA		63	-5.604	25.864	34.733 1		
ATOM	362	0	ALA		63	-4.516	25.553	35.212 1		
MOTA	363	N	LEU	A	64	-6.404	26.799	35.235 1	1.000	23.07

ATOM	364	CA	LEU	Α	64		-6.027	27.582	36.400	1.000	24.35
MOTA	365	CB	LEU	Α	64	-	-6.749	28.929	36.297	1.000	23.45
ATOM	366	CG	LEU	Α	64	-	-6.102	29.880	35.306	1.000	23.45
ATOM	367	CD1	LEU	Α	64	-	-6.952	31.144	35.230	1.000	26.55
ATOM	368	CD2	LEU	Α	64	-	-4.677	30.179	35.723	1.000	24.94
ATOM	369	С	LEU	Α	64	-	-6.381	26.919	37.713	1.000	31.23
ATOM	370	0	LEU	Α	64	-	-6.097	27.521	38.750	1.000	30.60
MOTA	371	N	LEU	Α	65	-	-6.982	25.733	37.690	1.000	25.47
MOTA	372	CA	LEU	Α	65	-	-7.306	25.047	38.937	1.000	27.75
ATOM	373	CB	LEU	Α	65	-	-8.162	23.817	38.624	1.000	29.69
ATOM	374	CG	LEU	Α	65	-	-9.587	24.168	38.169	1.000	29.27
MOTA	375	CD1	LEU	Α	65	-1	LO.317	22.915	37.710	1.000	22.91
ATOM	376	CD2	LEU	Α	65	-1	10.326	24.875	39.294	1.000	45.21
ATOM	377	С	LEU	Α	65	-	-6.045	24.666	39.697	1.000	32.88
ATOM	378	0	LEU	Α	65	-	-5.049	24.217	39.140	1.000	35.70
ATOM	379	N	PRO	Α	66	-	-6.075	24.876	41.014	1.000	36.18
ATOM	380	CA	PRO	Α	66	_	-4.904	24.635	41.858	1.000	36.18
ATOM	381	CB	PRO	Α	66	-	-5.488	24.754	43.275	1.000	47.92
MOTA	382	CG	PRO	Α	66	-	-6.648	25.684	43.117	1.000	42.33
ATOM	383	CD	PRO	Α	66	_	-7.235	25.378	41.764	1.000	30.77
MOTA	384	С	PRO	Α	66	-	-4.302	23.248	41.658	1.000	26.18
MOTA	385	0	PRO	A	66	-	-3.084	23.122	41.569	1.000	37.38
ATOM	386	N	GLU	Α	67	_	5.151	22.242	41.580	1.000	33.07
ATOM	387	CA	GLU	Α	67	_	4.828	20.867	41.244	1.000	38.66
MOTA	388	CB	GLU	Α	67	_	6.138	20.071	41.150	1.000	40.47
ATOM	389	CG	GLU	Α	67	-	7.142	20.605	40.154	1.000	58.25
ATOM	390	CD	GLU	Α	67	_	8.530	20.002	40.228	1.000	70.71
ATOM	391	OE1	GLU	Α	67	_	8.874	19.134	39.390	1.000	47.20
ATOM	392	OE2	GLU	Α	67	_	9.311	20.406	41.123	1.000	81.59
MOTA	393	С	GLU	Α	67	_	4.033	20.762	39.946	1.000	40.21
MOTA	394	0	GLU	Α	67	_	3.232	19.837		1.000	33.36
MOTA	395	N	ASN	Α	68	_	4.202	21.695	39.001	1.000	27.60
MOTA	396	CA	ASN	Α	68	_	3.494	21.553	37.729	1.000	27.03
ATOM	397	CB	ASN	Α	68	_	4.471	21.891	36.584	1.000	25.75
MOTA	398	CG	ASN		68	_	5.638	20.924	36.530	1.000	27.63
ATOM	399		ASN		68	-	5.417	19.725	36.763		27.03
ATOM	400		ASN	А	68	-	6.837	21.424	36.223	1.000	20.87
ATOM	401	С	ASN		68		2.244	22.400	37.582	1.000	29.26
ATOM	402	0	ASN		68		1.561	22.322	36.543	1.000	32.09
MOTA	403	N	ARG		69		1.877	23.230	38.550		
ATOM	404	CA	ARG		69		0.765	24.169	38.333		36.83
ATOM	405	СВ	ARG	Α	69		0.581	25.036	39.587	1.000	41.69
MOTA	406	CG	ARG	А	69		0.072	26.376	39.290	1.000	44.04
MOTA	407	CD	ARG		69		0.117	27.331	40.461	1.000	60.35
ATOM	408	NE	ARG		69		1.481	27.376	40.972	1.000	61.46
ATOM	409	CZ	ARG		69		1.832	27.284	42.248	1.000	67.83
MOTA	410		ARG		69		3.113	27.336	42.599		61.15
ATOM	411		ARG		69		0.920	27.136	43.202		
ATOM	412	С	ARG		69		0.541	23.491		1.000	
ATOM	413	0	ARG		69		1.225	23.924	37.009		
ATOM	414	N	GLY		70		0.895	22.385	38.603		
MOTA	415	CA	GLY	A	70		2.103	21.679	38.203	1.000	25.00

ATOM	416	С	GLY	Α	70	2.044	21.041	36.822 1.000 24.8	9
ATOM	417	0	GLY	Α	70	3.083	20.564	36.376 1.000 31.7	2
ATOM	418	N	LYS		71	0.903	21.014	36.147 1.000 27.0	18
		CA	LYS		71	0.763	20.318	34.866 1.000 24.2	
ATOM	419						19.731	34.781 1.000 21.7	
MOTA	420	CB	LYS		71	-0.653			
MOTA	421	CG	LYS		71	-0.943	18.621	35.788 1.000 25.9	
MOTA	422	CD	LYS	Α	71	-2.404	18.202	35.750 1.000 27.3	
ATOM	423	CE	LYS	Α	71	-2.743	17.164	36.834 1.000 26.3	
ATOM	424	NZ	LYS	Α	71	-4.227	17.045	36.994 1.000 29.9	19
ATOM	425	С	LYS	Α	71	1.003	21.230	33.678 1.000 26.3	1
ATOM	426	0	LYS		71	0.999	20.826	32.508 1.000 21.0	1
MOTA	427	N	ASN		72	1.209	22.517	33.974 1.000 24.0	8
ATOM	428	CA	ASN		72	1.520	23.503	32.951 1.000 24.0	16
	429	CB	ASN		72	0.700	24.782	33.236 1.000 23.9	
ATOM							24.508	33.170 1.000 24.0	
ATOM	430	CG	ASN		72	-0.782			
MOTA	431		ASN		72	-1.229	23.905		
MOTA	432		ASN		72	-1.564	24.932	34.139 1.000 21.5	
MOTA	433	С	ASN	Α	72	2.999	23.855	32.902 1.000 24.1	
MOTA	434	0	ASN	Α	72	3.539	24.242	33.952 1.000 32.1	
ATOM	435	N	ARG	Α	73	3.669	23.767	31.763 1.000 18.3	7
ATOM	436	CA	ARG	Α	73	5.068	24.153	31.624 1.000 20.2	6
ATOM	437	СВ	ARG	Α	73	5.606	23.824	30.236 1.000 27.0	7
ATOM	438	CG	ARG		73	7.082	24.137	30.020 1.000 24.2	:7
ATOM	439	CD	ARG		73	7.645	23.603	28.712 1.000 22.0	
ATOM	440	NE	ARG		73	7.794	22.144	28.739 1.000 23.8	
		CZ	ARG		73	8.809	21.516	29.321 1.000 33.2	
ATOM	441					9.757	22.240	29.913 1.000 21.9	
ATOM	442		ARG		73				
ATOM	443		ARG		73	8.909	20.191		
ATOM	444	С	ARG		73	5.231	25.648	31.916 1.000 30.6	
MOTA	445	0	ARG		73	6.184	26.110	32.549 1.000 32.8	
MOTA	446	N	TYR	A	74	4.279	26.440	31.452 1.000 27.9	
MOTA	447	CA	TYR	Α	74	4.329	27.903	31.619 1.000 22.7	
MOTA	448	CB	TYR	Α	74	4.778	28.577	30.343 1.000 24.6	8
ATOM	449	CG	TYR	Α	74	6.008	28.085	29.620 1.000 40.8	1
ATOM	450	CD1	TYR	Α	74	7.302	28.339	30.080 1.000 42.0	16
ATOM	451	CE1	TYR	Α	74	8.424	27.881	29.404 1.000 30.3	1
ATOM	452	CZ	TYR		74	8.304	27.155	28.238 1.000 36.9	8
ATOM	453	OH	TYR		74	9.426	26.707	27.567 1.000 31.1	1
ATOM	454	CE2	TYR		74	7.038	26.881	27.739 1.000 33.4	8
ATOM	455	CD2	TYR		74	5.932	27.349	28.434 1.000 32.6	
			TYR		74	2.932	28.320	32.074 1.000 35.2	
ATOM	456	C				1.980	28.127	31.311 1.000 28.9	
ATOM	457	0	TYR		74			33.293 1.000 34.4	
ATOM	458	N	ASN		75	2.831	28.838		
MOTA	459	CA	ASN		75	1.587	29.142	33.973 1.000 26.3	
MOTA	460	CB	ASN		75	1.844	29.654	35.396 1.000 28.0	
ATOM	461	CG	ASN		75	2.541	28.595	36.230 1.000 47.2	
MOTA	462	OD1	ASN	Α	75	2.639	27.427	35.838 1.000 38.1	
ATOM	463	ND2	ASN	Α	75	3.009	29.045	37.388 1.000 58.8	
ATOM	464	С	ASN	Α	75	0.752	30.193	33.247 1.000 19.1	
ATOM	465	0	ASN		75	-0.423	30.394	33.561 1.000 27.3	2
ATOM	466	N	ASN		76	1.348	30.876	32.289 1.000 18.4	9
MOTA	467	CA	ASN		76	0.562	31.826	31.510 1.000 26.5	
								·	

ATOM	468	CB	ASN	Α	76	1.244	33.195	31.432	1.000	26.00
ATOM	469	CG	ASN	Α	76	2.628	33.130	30.821	1.000	27.59
ATOM	470	OD1	ASN	Α	76	3.295	32.100	30.926	1.000	28.39
ATOM	471	ND2	ASN	Α	76	3.131	34.186	30.182	1.000	26.81
ATOM	472	С	ASN		76	0.331	31.297	30.101	1.000	26.92
ATOM	473	Ō	ASN		76	-0.145	32.065	29.263	1.000	24.80
ATOM	474	N	ILE		77	0.659	30.023	29.813	1.000	21.21
ATOM	475	CA	ILE		77	0.313	29.527	28.477		20.79
		CB	ILE		77	1.534	29.187	27.632	1.000	
ATOM	476					2.596	30.315	27.595	1.000	31.48
ATOM	477	CG1	ILE		77		30.817	26.195		49.78
ATOM	478	CD1	ILE		77	2.862		26.229	1.000	23.01
ATOM	479	CG2	ILE		77	1.116	28.793			
ATOM	480	С	ILE		77	-0.604	28.313	28.648		23.40
ATOM	481	0	ILE		77	-0.121	27.210	28.877	1.000	
ATOM	482	N	LEU		78	-1.899	28.584	28.583	1.000	
ATOM	483	CA	LEU		78	-2.931	27.667	29.035		19.58
ATOM	484	CB	LEU		78	-3.621	28.170	30.307		18.02
MOTA	485	CG	LEU	Α	78	-2.711	28.581	31.476		22.60
ATOM	486	CD1	LEU	А	78	-3.510	29.136	32.647	1.000	18.50
ATOM	487	CD2	LEU	Α	78	-1.854	27.424	31.993	1.000	19.12
ATOM	488	С	LEU	Α	78	-3.946	27.471	27.912	1.000	18.12
ATOM	489	0	LEU	Α	78	-4.186	28.398	27.142	1.000	19.00
ATOM	490	N	PRO	Α	79	-4.511	26.269	27.863	1.000	18.26
ATOM	491	CA	PRO	Α	79	-5.546	26.003	26.858	1.000	16.50
ATOM	492	CB	PRO	А	79	-5.707	24.485	26.984	1.000	21.55
ATOM	493	CG	PRO	Α	79	-5.462	24.228	28.452	1.000	13.29
ATOM	494	CD	PRO		79	-4.246	25.103	28.705	1.000	14.71
ATOM	495	C	PRO		79	-6.844	26.703	27.235	1.000	17.47
ATOM	496	Ō	PRO		79	-7.176	26.850	28.420	1.000	20.15
ATOM	497	N	TYR		80	-7.613	27.139	26.237	1.000	15.99
ATOM	498	CA	TYR		80	-8.958	27.654	26.481		17.04
ATOM	499	CB	TYR		80	-9.454	28.253	25.165	1.000	16.02
ATOM	500	CG	TYR		80	-8.756	29.502	24.697		17.83
MOTA	501	CD1	TYR		80	-8.514	30.562	25.574	1.000	17.44
ATOM	502	CE1	TYR		80	-7.879	31.711	25.143	1.000	18.38
	503	CZ	TYR		80	-7.474	31.828	23.837	1.000	17.97
MOTA	504	OH	TYR		80	-6.845	32.976	23.415	1.000	
ATOM					80	-7.700	30.802	22.930	1.000	19.84
MOTA	505	CE2	TYR				29.655	23.381		17.33
ATOM	506	CD2	TYR		80	-8.338		26.977		
ATOM	507	C	TYR		80	-9.884	26.547	26.525		
ATOM	508	0	TYR		80	-9.791	25.404			
MOTA	509	N	ASP		81	-10.785	26.816	27.908		
ATOM	510	CA	ASP		81	-11.772	25.824	28.336		
ATOM	511	CB	ASP		81	-12.734	26.485	29.337		
ATOM	512	CG	ASP		81	-12.050	26.883	30.626		
ATOM	513		ASP		81	-11.107	26.212	31.082		
ATOM	514	OD2	ASP		81	-12.437	27.911	31.225		
MOTA	515	C	ASP		81	-12.539	25.250	27.153		
MOTA	516	0	ASP	Α	81	-12.771	24.029	27.079		
ATOM	517	N	ALA		82	-12.910	26.116	26.218		
ATOM	518	CA	ALA	Α	82	-13.787	25.780	25.106		
ATOM	519	CB	ALA	A	82	-14.147	27.041	24.318	1.000	21.73

MOTA	520	С	ALA	А	82	-13.218	24.780	24.117		24.48
MOTA	521	0	ALA	Α	82	-14.017	24.152	23.409	1.000	24.01
MOTA	522	N	THR	Α	83	-11.910	24.613	24.002	1.000	19.51
ATOM	523	CA	THR	Α	83	-11.324	23.717	22.995	1.000	17.80
ATOM	524	СВ	THR	Α	83	-10.631	24.588	21.940	1.000	16.46
ATOM	525	OG1	THR	Α	83	-9.691	25.412	22.665	1.000	18.46
MOTA	526	CG2	THR		83	-11.616	25.512	21.246	1.000	23.15
ATOM	527	С	THR		83	-10.302	22.753	23.586		19.19
ATOM	528	0	THR		83	-9.519	22.101	22.875	1.000	18.99
ATOM	529	N	ARG		84	-10.239	22.638	24.919	1.000	15.87
ATOM	530	CA	ARG		84	-9.214	21.790	25.521		13.38
ATOM	531	CB	ARG		84	-9.125	22.053	27.033	1.000	17.35
ATOM	532	CG	ARG		84	-10.272	21.451	27.842		15.57
	533	CD	ARG		84	-10.272	21.431	29.303		23.22
MOTA										23.41
MOTA	534	NE	ARG		84	-11.142	21.257	30.168		
ATOM	535	CZ	ARG		84	-10.962	20.204	30.948		20.47
ATOM	536	NH1	ARG		84	-9.809	19.561	31.054		19.35
ATOM	537		ARG		84	-11.994	19.773	31.664		22.12
ATOM	538	С	ARG		84	-9.470	20.299	25.308		18.88
MOTA	539	0	ARG		84	-10.635	19.874	25.268		22.06
MOTA	540	N	VAL		85	-8.375	19.551	25.196	1.000	16.89
MOTA	541	CA	VAL		85	-8.423	18.097	25.114	1.000	16.58
ATOM	542	СВ	VAL		85	-7.184	17.483	24.455	1.000	
ATOM	543	CG1	VAL	Α	85	-7.356	15.966	24.274	1.000	
MOTA	544	CG2	VAL	Α	85	-6.893	18.086	23.091		17.65
MOTA	545	С	VAL	Α	85	-8.595	17.535	26.523	1.000	19.64
MOTA	546	0	VAL	Α	85	-7.844	17.914	27.424	1.000	19.96
ATOM	547	N	LYS	Α	86	-9.550	16.650	26.756	1.000	17.33
ATOM	548	CA	LYS	Α	86	-9.719	16.095	28.096	1.000	23.43
ATOM	549	CB	LYS	Α	86	-11.191	16.082	28.526	1.000	27.56
MOTA	550	CG	LYS	Α	86	-11.884	17.432	28.490	1.000	32.74
ATOM	551	CD	LYS	Α	86	-13.319	17.288	28.987	1.000	42.78
ATOM	552	CE	LYS	Α	86	-14.275	18.120	28.145	1.000	53.05
ATOM	553	NZ	LYS	Α	86	-14.205	19.569	28.476	1.000	47.90
ATOM	554	С	LYS	Α	86	-9.213	14.660	28.171	1.000	23.69
ATOM	555	0	LYS		86	-9.417	13.887	27.241	1.000	24.18
ATOM	556	N	LEU	Α	87	-8.580	14.294	29.273	1.000	21.05
ATOM	557	CA	LEU		87	-8.225	12.906	29.504	1.000	
ATOM	558	СВ	LEU		87	-7.106	12.861	30.540	1.000	19.01
ATOM	559	CG	LEU		87	-5.824	13.608	30.146		
ATOM	560		LEU		87	-4.865	13.612	31.326		
ATOM	561		LEU		87	-5.175	12.994	28.916		
ATOM	562	C	LEU		87	-9.433	12.132	30.001		
ATOM	563	0	LEU		87	-10.293	12.739	30.652		
ATOM	564	N	SER		88	-9.561	10.832	29.745		
ATOM	565	CA	SER		88	-10.662	10.132	30.429		
ATOM	566	CB	SER .		88	-10.751	8.668	29.990		
	567	OG			88	-9.581	7.992	30.416		
MOTA	567 568		SER .			-9.581 -10.554		30.416		
ATOM		С	SER .		88		10.163			
ATOM	569 570	O N	SER .		88	-9.497	10.278	32.577		
MOTA	570 571	N C7	ASN .		89	-11.728	10.055	32.566		
MOTA	571	CA	ASN .	H	89	-11.976	10.144	33.991	1.000	20.20

ATOM	572	CB	ASN	I A	89	-13.369	9.595	34.329	1.000	60.50
ATOM	573	CG	ASN	IA	89	-13.557	8.127	34.024	1.000	66.77
ATOM	574	OD1				-12.606	7.351	33.952		
ATOM	575	ND2				-14.807	7.703	33.844		
ATOM	576	C	ASN			-10.926	9.410	34.821		
ATOM	577	0	ASN			-10.996	9.390	36.052		72.13
ATOM	578	N	SER	A	. 96	-8.513	15.291	37.171	1.000	39.19
ATOM	579	CA	SER	A	. 96	-7.743	14.211	36.560	1.000	29.84
ATOM	580	CB	SER	A	. 96	-8.043	12.853	37.183	1.000	29.33
ATOM	581	OG	SER	A	96	-9.336	12.376	36.866		31.86
ATOM	582	C	SER			-7.971	14.200	35.049		25.03
ATOM	583	Ö	SER			<b>-7.285</b>	13.420	34.378	1.000	30.76
ATOM	584	N	ASP			-8.874	15.033	34.527		26.35
ATOM	585	CA	ASP			-9.072	15.047	33.069	1.000	23.38
ATOM	586	CB	ASP			-10.495	15.418	32.661	1.000	21.60
ATOM	587	CG	ASP	Α	97	-10.928	16.834	32.933	1.000	26.73
ATOM	588	OD1	ASP	Α	97	-10.115	17.686	33.354	1.000	26.07
ATOM	589	OD2	ASP	Α	97	-12.136	17.107	32.701	1.000	29.59
ATOM	590	С	ASP	Α	97	-8.112	16.015	32.379		28.59
ATOM	591	0	ASP			-8.144	16.087	31.149		22.81
ATOM	592	N	TYR			-7.316	16.753	33.150		24.51
ATOM	593	CA	TYR			-6.573	17.864			
								32.576		18.45
ATOM	594	CB	TYR			-6.287	18.947	33.663	1.000	
ATOM	595	CG	TYR		98	-5.566	20.114	33.013	1.000	18.45
ATOM	596	CD1	TYR		98	-6.288	21.015	32.223	1.000	20.80
ATOM	597	CE1	TYR	Α	98	-5.651	22.093	31.617	1.000	19.85
ATOM	598	CZ	TYR	Α	98	-4.300	22.277	31.775	1.000	20.41
ATOM	599	ОН	TYR	Α	98	-3.617	23.313	31.194	1.000	18.24
ATOM	600	CE2	TYR	Α	98	-3.554	21.399	32.546	1.000	19.23
ATOM	601	CD2	TYR		98	-4.206	20.342	33.147	1.000	19.12
ATOM	602	C	TYR		98	-5.263	17.498	31.918	1.000	19.64
ATOM	603	0	TYR		98	-4.369				
							16.840	32.439		20.66
ATOM	604	N	ILE		99	-5.119	18.053	30.711	1.000	16.91
ATOM	605	CA	ILE		99	-3.822	18.176	30.062	1.000	16.84
ATOM	606	СВ	ILE	A	99	-3.536	17.002	29.113	1.000	17.82
ATOM	607	CG1	ILE	A	99	-2.137	16.977	28.518	1.000	15.01
ATOM	608	CD1	ILE	Α	99	-1.789	15.688	27.785	1.000	15.78
ATOM	609	CG2	ILE	Α	99	-4.615	16.953	28.023	1.000	17.57
ATOM	610	С	ILE	Α	99	-3.766	19.520	29.325	1.000	15.16
ATOM	611	0	ILE	Α	99	-4.767	20.020	28.812		17.38
ATOM	612	N			100	-2.587	20.120	29.308		17.52
ATOM	613	CA	ASN			-2.392	21.383	28.584		13.18
ATOM	614	CB	ASN			-1.125	22.085	29.028		14.04
ATOM	615	CG	ASN			-1.059	23.494	28.450		15.18
ATOM	616		ASN			-1.331	23.713	27.280		18.72
ATOM	617	ND2	ASN	Α	100	-0.702	24.455	29.274	1.000	16.16
MOTA	618	С	ASN	Α	100	-2.333	21.054	27.090	1.000	12.55
ATOM	619	0	ASN	Α	100	-1.244	20.809	26.544		15.92
ATOM	620	N	ALA			-3.521	21.008	26.492		
ATOM	621	CA	ALA			-3.655	20.605	25.088		18.55
ATOM	622	СВ	ALA			-3.556	19.090	24.924		16.55
ATOM	623	C	ALA							
ATOM	043	C	чпч	М	TOT	-4.971	21.137	24.527	T.000	13.59

ATOM	624	0	ALA	Α	101	-5.924		21.365	25.274		
ATOM	625	N	SER	A	102	-5.001		21.341	23.211		
ATOM	626	CA	SER	Α	102	-6.108	2	21.993	22.553	1.000	16.27
ATOM	627	CB	SER	Α	102	-5.855	2	23.491	22.338		21.21
ATOM	628	OG	SER	Α	102	-5.352	2	24.131	23.503		17.32
ATOM	629	С	SER	Α	102	-6.356	2	21.367	21.169	1.000	14.55
ATOM	630	0	SER	Α	102	-5.410	2	21.018	20.464	1.000	15.20
ATOM	631	N	TYR			-7.636	2	21.254	20.835	1.000	16.64
ATOM	632	CA	TYR			-8.048	2	20.802	19.512	1.000	14.77
ATOM	633	СВ	TYR			-9.467	2	20.239	19.531		18.66
ATOM	634	CG	TYR			-9.703		8.944	20.270		18.68
ATOM	635	CD1	TYR			-9.140		17.745	19.852		16.61
ATOM	636	CE1	TYR			-9.358		6.546	20.528		17.11
ATOM	637	CZ	TYR			-10.159		16.548	21.648		20.45
ATOM	638	OH	TYR			-10.386		15.378	22.329		23.33
ATOM	639	CE2	TYR			-10.730		17.732	22.079		
ATOM	640	CD2	TYR			-10.517		18.922	21.410		19.22
	641	CDZ	TYR			-7.987		21.941	18.505		13.95
ATOM		0	TYR			-8.391		23.073	18.745		19.80
ATOM	642		ILE			-7.482		21.618	17.316		
ATOM	643	N				-7.462		22.569	16.229		18.12
ATOM	644	CA	ILE			-5.872		22.884	15.979		
ATOM	645	CB	ILE					23.233	17.226		
ATOM	646	CG1	ILE			-5.070			17.220		
ATOM	647	CD1	ILE			-5.524		24.493	14.967		26.42
ATOM	648	CG2	ILE			-5.741		24.005	14.957		23.75
ATOM	649	C	ILE			-7.946		22.001	14.601		21.79
ATOM	650	0	ILE			-7.672			14.241		28.20
ATOM	651	N	PRO			-8.754		22.779 22.365	12.917		23.95
ATOM	652	CA	PRO			-9.258			12.917		31.38
ATOM	653	CB	PRO			-10.391		23.355	13.941		
ATOM	654	CG	PRO			-10.630 -9.285		24.049	14.643		
MOTA	655	CD	PRO					22.464	11.860		28.29
ATOM	656	C	PRO			-8.174		23.199	11.926		
MOTA	657	0	PRO			-7.183 -8.320		21.674	10.798		25.13
ATOM	658	N	GLY							1.000	
ATOM	659	CA	GLY			-7.343		21.757	8.403		28.91
ATOM	660	C	GLY			-8.127		21.803	8.467		26.90
ATOM	661	0	GLY ASN			-9.318 -7.481		22.118	7.285		
ATOM	662	N						21.653		1.000	
ATOM	663	CA	ASN			-8.184				1.000	
ATOM	664	CB	ASN			-7.264		21.551		1.000	
ATOM	665	CG	ASN			-6.326		22.729		1.000	
ATOM	666		ASN			-5.615		22.864		1.000	
MOTA	667		ASN			-6.328		23.567		1.000	
ATOM	668	С	ASN			-9.273		20.581		1.000	
ATOM	669	0	ASN			-10.274		20.887			
ATOM	670	N	ASN			-9.002		19.431		1.000	
ATOM	671	CA	ASN			-9.700		18.170		1.000	
ATOM	672	CB	ASN			-8.676		17.017		1.000	
ATOM	673	CG	ASN			-7.647		17.276		1.000	
ATOM	674		ASN			-7.988		17.259			
ATOM	675	ND2	ASN	A	T08	-6.392	1	17.525	5.466	1.000	23.01

T COM	676	_	7 C N 1 7	100	10 712	17 062	7 260	1.000	27.84
ATOM	676	C	ASN A		-10.712	17.862			
MOTA	677	0	ASN A		-11.746	17.240	7.087	1.000	
ATOM	678	N	PHE A		-10.515	18.262	8.614	1.000	
ATOM	679	CA	PHE A		-11.601	17.986	9.569		29.14
ATOM	680	СВ	PHE A		-11.727	16.503	9.837		33.67
MOTA	681	CG	PHE A		-10.501	15.678	10.128	1.000	32.21
MOTA	682	CD1			-9.720	15.199	9.088		36.73
MOTA	683	CE1	PHE A		-8.604	14.419	9.325	1.000	33.86
MOTA	684	CZ	PHE A	109	-8.275	14.120	10.633	1.000	42.76
MOTA	685	CE2	PHE A	109	-9.036	14.590	11.683	1.000	37.98
ATOM	686	CD2	PHE A	109	-10.143	15.376	11.430	1.000	37.01
ATOM	687	С	PHE A	109	-11.450	18.785	10.856	1.000	28.59
ATOM	688	0	PHE A	109	-10.493	19.529	11.101	1.000	25.57
ATOM	689	N	ARG A	110	-12.457	18.692	11.728	1.000	29.57
ATOM	690	CA	ARG A		-12.560	19.633	12.835	1.000	29.56
ATOM	691	СВ	ARG A		-13.912	19.447	13.560		39.08
ATOM	692	CG	ARG A		-15.115	19.581	12.647		51.99
ATOM	693	CD	ARG A		-15.714	20.978	12.671		60.61
ATOM	694	NE	ARG A		-16.438	21.295	11.439		
ATOM	695	CZ	ARG A		-17.049	22.446	11.187		59.30
ATOM	696		ARG A		-17.685	22.657	10.040		45.23
ATOM	697	NH2	ARG A		-17.032	23.413	12.100	1.000	
ATOM	698	C	ARG A		-11.462	19.550	13.898	1.000	
ATOM	699	0	ARG A		-10.952	20.588	14.359	1.000	
	700		ARG A		-11.163	18.325	14.281	1.000	
ATOM		N	ARG A				15.275	1.000	
ATOM	701	CA			-10.152	17.978			
ATOM	702	CB	ARG A		-10.714	17.032	16.339	1.000	
ATOM	703	CG	ARG A		-11.497	17.792	17.422	1.000	
ATOM	704	CD	ARG A		-12.543	16.891	18.038	1.000	
ATOM	705	NE	ARG A		-13.133	17.383			
ATOM	706	CZ	ARG A		-13.380	16.499	20.268	1.000	
ATOM	707	NH1	ARG A		-13.087	15.209	20.117		
ATOM	708	NH2	ARG A		-13.915	16.924	21.402	1.000	
ATOM	709	С	ARG A		-8.977	17.326	14.564	1.000	
ATOM	710	0	ARG A		-8.583	16.195	14.813	1.000	
ATOM	711	N	GLU A		-8.437	18.086	13.603	1.000	
ATOM	712	CA	GLU A		-7.400	17.493	12.752		
ATOM	713	СВ	GLU A		-7.339	18.364	11.470	1.000	
ATOM	714	CG	GLU A		-6.317	17.831	10.484	1.000	14.61
ATOM	715	CD	GLU A		-6.654	18.208		1.000	
ATOM	716	OE1	GLU A		-7.701	18.836		1.000	
ATOM	717	OE2	GLU A		-5.819	17.872		1.000	
ATOM	718	С	GLU A	112	-6.059	17.425	13.457	1.000	13.05
ATOM	719	0	GLU A	112	-5.177	16.583	13.179	1.000	16.04
MOTA	720	N	TYR A	113	-5.888	18.365	14.392	1.000	14.44
ATOM	721	CA	TYR A	113	-4.660	18.455	15.170	1.000	14.56
ATOM	722	CB	TYR A	113	-3.783	19.667	14.843	1.000	13.32
ATOM	723	CG	TYR A	113	-3.500	19.908	13.376	1.000	17.76
ATOM	724	CD1	TYR A		-2.393	19.395	12.721	1.000	18.07
ATOM	725	CE1	TYR A		-2.151	19.630	11.364	1.000	14.90
ATOM	726	CZ	TYR A		-3.049	20.406	10.658		
ATOM	727	ОН	TYR A		-2.860	20.666		1.000	

ATOM	728	CE2	TYR	Α	113	-4.162	20.9	25 1	1.293	1.000	20.77
ATOM	729	CD2	TYR	Α	113	-4.392	20.6	83 1	2.633	1.000	15.75
ATOM	730	С	TYR	Α	113	-4.980	18.5	63 1	6.668	1.000	15.81
ATOM	731	0	TYR	Α	113	-5.993	19.1	36 1	7.046	1.000	16.02
ATOM	732	N			114	-4.051	18.0		7.461		
ATOM	733	CA			114	-4.004	18.3		8.882		
ATOM	734	СВ			114	-4.060	17.0		9.740		
ATOM	735	CG1			114	-5.461	16.4		9.730		20.46
ATOM	736	CD1			114	-5.604	15.0		0.250		18.86
ATOM	737	CG2				-3.565					
ATOM	738	CGZ			114 114	-3.363 $-2.712$	17.3		1.156		
	739	0			114		19.1		9.104		
ATOM						-1.650	18.5			1.000	
ATOM	740	N			115	-2.797	20.3			1.000	
ATOM	741	CA			115	-1.600	21.0			1.000	13.98
ATOM	742	СВ			115	-1.749	22.5		9.584		14.73
ATOM	743	CG1			115	-0.680	23.3		0.303		
ATOM	744		VAL			-1.659	22.6		8.059		22.61
ATOM	745	С			115	-1.360	20.9	75 2	1.472	1.000	
ATOM	746	0			115	-2.303	21.1	L3 2.	2.246		17.38
MOTA	747	N	THR	Α	116	-0.116	20.74	18 2	1.863	1.000	13.55
ATOM	748	CA	THR	Α	116	0.108	20.59	3 2	3.304	1.000	17.85
MOTA	749	СВ	THR	Α	116	-0.042	19.10	01 2	3.682	1.000	16.90
ATOM	750	OG1	THR	Α	116	-0.019	18.97	74 2.	5.104	1.000	16.67
ATOM	751	CG2	THR	Α	116	1.092	18.25	52 2	3.118	1.000	18.44
ATOM	752	С	THR	Α	116	1.462	21.18		3.681		14.01
ATOM	753	0			116	2.258	21.45		2.775		13.95
ATOM	754	N	GLN			1.702	21.38		4.961		15.16
ATOM	755	CA	GLN			3.032	21.82		5.403		20.32
ATOM	756	СВ	GLN			2.866	22.38				17.18
ATOM	757	CG	GLN			2.751	21.24			1.000	
ATOM	758	CD	GLN			2.459	21.70				22.85
ATOM	759		GLN			2.255	22.87				19.09
ATOM	760		GLN			2.428	20.74		).181		25.28
ATOM	761	С	GLN			4.051	20.71		5.344	1.000	22.35
ATOM	762	0	GLN			3.743	19.52		5.186		21.90
ATOM	763	N	GLY			5.348	20.99		5.467	1.000	
ATOM	764	CA	GLY			6.280	19.85		5.478	1.000	16.32
ATOM	765	C	GLY			6.111	19.18		5.830	1.000	14.48
ATOM	766	0	GLY			6.206	19.86		7.834	1.000	20.82
ATOM	767	N	PRO			5.850	17.88			1.000	
ATOM	768	CA	PRO			5.598	17.21				17.15
ATOM	769	CB	PRO			5.626	15.71			1.000	17.56
ATOM	770	CG	PRO				15.74				
ATOM	771					5.109			3.360	1.000	16.78
		CD	PRO			5.766	16.96				16.98
ATOM	772	C	PRO			6.686	17.47			1.000	14.53
ATOM	773	0	PRO			7.852	17.58		8.857	1.000	
ATOM	774	N CA	LEU			6.193	17.56			1.000	
ATOM	775	CA	LEU			7.014	17.63			1.000	
ATOM	776	CB	LEU			6.259	18.37			1.000	
ATOM	777	CG	LEU			6.077	19.87			1.000	
ATOM	778		LEU			4.937	20.42			1.000	
ATOM	779	CD2	LEU	A	120	7.399	20.58	6 32	.764	1.000	24.84

MOTA	780	С	LEU	A 120		7.358	16.227	32.124	1.000	25.96
MOTA	781	0	LEU	A 120		6.667	15.274	31.750	1.000	21.42
MOTA	782	N	PRO	A 121		8.381	16.072	32.957	1.000	29.05
ATOM	783	CA	PRO	A 121		8.595	14.786	33.629	1.000	25.75
ATOM	784	СВ		A 121		9.597	15.156	34.739		25.40
ATOM	785	CG		A 121		10.409	16.244	34.108		
ATOM	786	CD		A 121		9.405	17.064	33.325	1.000	
ATOM	787	C		A 121		7.317	14.251	34.258		22.30
ATOM	788	0		A 121		7.004	13.056	34.125		25.28
ATOM	789	N		A 122		6.557	15.136	34.123		18.79
ATOM	790	CA		A 122		5.347	14.719	35.583	1.000	
ATOM	791	C		A 122		4.075				
	792	0		A 122			14.740	34.751		28.03
ATOM	793	N				3.020	14.526	35.376		24.04
ATOM				A 123		4.110	14.977	33.436	1.000	
ATOM	794	CA		A 123		2.930	14.937	32.578	1.000	14.07
ATOM	795	CB		A 123		2.534	16.297	31.970	1.000	14.80
ATOM	796	OG1		A 123		3.597	16.765	31.130		20.06
ATOM	797	CG2		A 123		2.290	17.355	33.043		21.03
ATOM	798	С		123		3.121	13.982	31.401		17.25
ATOM	799	0		A 123		2.189	13.769	30.625		19.21
MOTA	800	N		124		4.290	13.385	31.258	1.000	17.35
ATOM	801	CA	LYS A	A 124		4.591	12.474	30.157		20.84
MOTA	802	CB	LYS A	A 124		6.056	12.057	30.163	1.000	23.80
ATOM	803	CG	LYS A	A 124		6.574	11.185	31.268	1.000	22.00
ATOM	804	CD	LYS A	A 124		8.053	10.832	31.082	1.000	30.29
ATOM	805	CE	LYS A	A 124		8.441	9.720	32.044	1.000	45.34
ATOM	806	NZ	LYS A	A 124		9.868	9.696	32.452	1.000	41.63
ATOM	807	С	LYS A	124		3.636	11.275	30.163	1.000	
ATOM	808	0	LYS A	124		3.239	10.855	29.071		19.48
ATOM	809	N	ASP A	125		3.233	10.748	31.314	1.000	
ATOM	810	CA	ASP A	125		2.250	9.666		1.000	
ATOM	811	СВ	ASP A			2.042	9.048	32.667	1.000	
ATOM	812	CG	ASP A			3.216	8.294	33.256	1.000	
ATOM	813	OD1	ASP A			4.196	8.028	32.528	1.000	
ATOM	814		ASP A			3.124	7.972	34.488	1.000	
ATOM	815	С	ASP A			0.903	10.155	30.758		18.95
ATOM	816	0	ASP A			0.264	9.434	29.979		17.28
ATOM	817	N	ASP A			0.462	11.327	31.199		20.58
ATOM	818	CA	ASP F		_	-0.740	11.974			16.25
ATOM	819	СВ	ASP A			-0.971	13.331	31.325		
ATOM	820	CG	ASP F			-1.198	13.393	32.813		
ATOM	821		ASP A			-1.760	12.424	33.363		
ATOM	822		ASP A			-0.833		33.448		
ATOM	823	C	ASP A				14.421			
ATOM	824	0	ASP A			-0.636	12.184	29.153		
					_	-1.589	11.970	28.403		17.56
ATOM	825 826	N CA	PHE A			0.509	12.629	28.658		16.52
ATOM		CA	PHE A			0.641	12.855	27.203		16.00
ATOM	827	CB	PHE A			2.039	13.358	26.853		
ATOM	828	CG	PHE A			2.432	13.364	25.376		
ATOM	829		PHE A			2.178	14.498	24.615		
ATOM	830		PHE A			2.518	14.549	23.273		
ATOM	831	CZ	PHE A	. 127		3.108	13.449	22.681	1.000	15.27

# $\begin{tabular}{ll} Evdokimov\ et\ al. & 9045M2\\ Three\ Dimensional\ Coordinates\ of\ HPTPbeta \end{tabular}$

ATOM	832		PHE			3.382	12.289		1.000	
ATOM	833	CD2				3.061	12.299	24.747	1.000	16.38
MOTA	834	С	PHE	A	127	0.385	11.547	26.468	1.000	22.45
ATOM	835	0	PHE			-0.332	11.482	25.478	1.000	16.59
MOTA	836	N	TRP	A	128	1.052	10.479	26.939	1.000	15.18
ATOM	837	CA	TRP	Α	128	0.896	9.221	26.182	1.000	16.47
ATOM	838	CB	TRP	A	128	1.938	8.201	26.653	1.000	14.81
MOTA	839	CG	TRP	Α	128	3.329	8.492	26.170	1.000	17.83
ATOM	840	CD1	TRP	Α	128	4.444	8.788	26.892	1.000	15.04
ATOM	841	NE1	TRP	Α	128	5.526	8.987	26.043	1.000	16.38
ATOM	842	CE2	TRP	Α	128	5.110	8.818	24.749	1.000	15.72
ATOM	843	CD2	TRP			3.738	8.509	24.787	1.000	15.19
ATOM	844	CE3	TRP			3.062	8.282	23.587	1.000	16.34
ATOM	845	CZ3	TRP			3.760	8.373	22.395	1.000	
ATOM	846	CH2	TRP			5.126	8.684	22.375	1.000	
ATOM	847	CZ2			128	5.797	8.906	23.544		19.59
ATOM	848	C	TRP			-0.516	8.680	26.335		18.33
ATOM	849	0			128	-1.095	8.039	25.441		17.84
ATOM	850	N	LYS			-1.136	8.925	27.490		16.01
ATOM	851	CA	LYS			-2.552	8.577	27.669		15.83
	852	CB	LYS			-2.959	8.905	29.107	1.000	16.11
ATOM	853	CG	LYS			-4.428	8.639	29.383	1.000	
ATOM			LYS							
ATOM	854	CD				-4.734	8.820	30.866		
ATOM	855	CE	LYS			-6.258	8.852	31.065		
ATOM	856	ΝZ	LYS			-6.584	9.011	32.510	1.000	34.60
ATOM	857	С	LYS			-3.418	9.305	26.655	1.000	
MOTA	858	0	LYS			-4.278	8.695	26.000		18.99
ATOM	859	N	MET.			-3.188	10.621	26.479		15.75
ATOM	860	CA	MET .			-3.893	11.366	25.434		13.41
ATOM	861	CB	MET .			-3.416	12.840	25.476	1.000	
ATOM	862	CG			130	-4.077	13.682	24.379	1.000	
MOTA	863	SD	MET .			-3.548	15.406	24.457	1.000	
MOTA	864	CE	MET .			-1.867	15.262	23.906	1.000	14.57
ATOM	865	C	MET .			-3.662	10.816	24.035	1.000	
ATOM	866	0	MET .			-4.577	10.636	23.228	1.000	
ATOM	867	N	VAL .			-2.421	10.513	23.688	1.000	
ATOM	868	CA	VAL .			-2.096	9.907	22.395		17.62
MOTA	869	CB	VAL .			-0.576	9.659	22.293		15.16
MOTA	870	CG1	VAL .			-0.228	8.757	21.118	1.000	16.01
ATOM	871		VAL .			0.162	10.996	22.200		
ATOM	872	С	VAL .	A	131	-2.891	8.614	22.198		
ATOM	873	0	VAL .			-3.480	8.392	21.126		
MOTA	874	N	TRP .	A	132	-2.952	7.787	23.223		
MOTA	875	CA	TRP .	A	132	-3.697	6.516	23.124		
ATOM	876	CB	TRP A	Α	132	-3.433	5.620	24.339		
ATOM	877	CG	TRP A	A	132	-4.168	4.301	24.280		
ATOM	878	CD1	TRP A	A	132	-5.262	3.909	25.019	1.000	25.14
ATOM	879	NE1	TRP A	Α	132	-5.611	2.623	24.645	1.000	23.87
ATOM	880		TRP 2			-4.763	2.172	23.681	1.000	18.18
ATOM	881		TRP 2			-3.834	3.198	23.418	1.000	18.05
ATOM	882		TRP A			-2.840	2.999	22.460	1.000	22.17
ATOM	883		TRP 2			-2.774	1.795	21.772	1.000	28.54

ATOM	884	CH2	TRP	Ά	132		-3.721	0.806	22.066 1.000 23.8	7
ATOM	885	CZ2			132		-4.696	0.966	22.993 1.000 20.3	5
ATOM	886	С			132	•	-5.193	6.750	22.947 1.000 17.0	5
ATOM	887	0	TRP	A	132		-5.818	6.256	21.987 1.000 20.6	4
MOTA	888	N			133		-5.791	7.519	23.839 1.000 14.9	0
ATOM	889	CA	GLU	Α	133		-7.219	7.778	23.820 1.000 17.4	5
ATOM	890	CB	GLU	Α	133		-7.610	8.589	25.078 1.000 18.0	5
ATOM	891	CG	GLU	Α	133		-7.397	7.760	26.341 1.000 19.0	8
ATOM	892	CD	GLU	Α	133		-7.868	8.505	27.588 1.000 27.2	1
ATOM	893	OE1	GLU	Α	133		-8.176	9.707	27.515 1.000 24.1	7
MOTA	894	OE2	GLU	Α	133		-7.926	7.874	28.661 1.000 32.7	7
MOTA	895	C	GLU	Α	133		-7.680	8.510	22.579 1.000 20.8	0
MOTA	896	0	GLU	Α	133		-8.825	8.300	22.156 1.000 22.8	8
MOTA	897	N	GLN	Α	134		-6.829	9.358	22.026 1.000 17.7	3
MOTA	898	CA	GLN	Α	134		-7.237	10.221	20.900 1.000 16.5	7
MOTA	899	СВ	GLN	Α	134		-6.549	11.579	21.008 1.000 14.2	9
MOTA	900	CG	GLN	Α	134		-6.990	12.288	22.299 1.000 16.7	7
ATOM	901	CD	GLN	Α	134		-8.452	12.650	22.274 1.000 21.5	2
ATOM	902	OE1	GLN	Α	134		-9.006	13.127	21.277 1.000 27.2	9
ATOM	903	NE2	GLN	Α	134		-9.111	12.430	23.414 1.000 22.2	
MOTA	904	С	GLN	Α	134		-6.950	9.599	19.542 1.000 19.4	2
ATOM	905	0	GLN	Α	134		-7.196	10.269	18.542 1.000 18.3	8
ATOM	906	N	ASN	Α	135		-6.467	8.362	19.537 1.000 19.0	5
ATOM	907	CA	ASN	Α	135		-6.213	7.579	18.343 1.000 19.1	6
ATOM	908	СВ	ASN	Α	135		-7.480	7.376	17.494 1.000 20.3	1
ATOM	909	CG	ASN	Α	135		-8.541	6.596	18.257 1.000 31.8	
ATOM	910	OD1			135		-8.283	5.493	18.725 1.000 33.23	3
ATOM	911	ND2	ASN	Α	135		-9.742	7.149	18.391 1.000 30.19	
ATOM	912	С	ASN	Α	135		-5.155	8.263	17.482 1.000 17.39	9
ATOM	913	0	ASN	Α	135		-5.206	8.264	16.256 1.000 22.39	9
ATOM	914	N	VAL	A	136		-4.196	8.866	18.167 1.000 14.13	3
ATOM	915	CA			136		-3.123	9.563	17.457 1.000 16.02	2
ATOM	916	CB	VAL	Α	136		-2.417	10.541	18.433 1.000 18.99	
ATOM	917	CG1	VAL	Α	136		-1.100	11.000	17.793 1.000 20.43	
MOTA	918	CG2	VAL	Α	136		-3.330	11.692	18.794 1.000 13.05	
ATOM	919	С	VAL				-2.120	8.585	16.871 1.000 18.76	6
ATOM	920	0	VAL	Α	136		-1.653	7.669	17.563 1.000 17.38	
ATOM	921	N	HIS	Α	137		-1.756	8.745	15.591 1.000 15.53	
ATOM	922	CA	HIS	Α	137		-0.715	7.888	15.035 1.000 18.61	
ATOM	923	СВ	HIS	A	137		-1.197	7.109	13.799 1.000 19.72	2
MOTA	924	CG	HIS	Α	137		-2.274	6.119	14.090 1.000 22.80	)
ATOM	925	ND1	HIS				-3.478	6.436	14.669 1.000 26.95	
ATOM	926		HIS				-4.209	5.343	14.795 1.000 30.61	L
ATOM	927		HIS				-3.516	4.331	14.319 1.000 27.83	
ATOM	928	CD2	HIS	Α	137		-2.301	4.778	13.869 1.000 31.20	
ATOM	929	С	HIS				0.523	8.677	14.620 1.000 19.42	
ATOM	930	0	HIS				1.534	8.071	14.287 1.000 19.32	
ATOM	931	N	ASN				0.469	10.009	14.624 1.000 18.64	
ATOM	932	CA	ASN				1.609	10.809	14.197 1.000 16.59	
ATOM	933	СВ	ASN				1.368	11.460	12.823 1.000 14.79	
ATOM	934	CG	ASN				1.182	10.388	11.774 1.000 14.32	
ATOM	935		ASN				0.070	10.154	11.277 1.000 23.35	

ATOM	936	ND2	ASN	Α	138	2.272	9.719	11.442	1.000	15.72
ATOM	937	С	ASN	Α	138	1.882	11.894	15.224	1.000	17.49
MOTA	938	0	ASN	Α	138	0.923	12.540	15.639	1.000	16.64
ATOM	939	N	ILE	Α	139	3.138	12.081	15.595	1.000	13.57
ATOM	940	CA	ILE	Α	139	3.492	13.222	16.443	1.000	13.49
ATOM	941	СВ			139	4.046	12.705	17.788		
ATOM	942	CG1			139	3.032	11.892	18.597		
ATOM	943	CD1			139	3.647	11.054	19.710		
ATOM	944	CG2			139	4.641	13.849	18.601	1.000	
ATOM	945	C			139	4.545	14.100	15.776		
ATOM	946	0			139	5.507	13.555	15.211		18.97
ATOM	947	N			140	4.378	15.416	15.843		15.29
ATOM	948	CA			140	5.330	16.361	15.282		
ATOM	949	CB								15.83
					140	4.672	17.254	14.202		17.91
ATOM	950	CG1			140	5.691	18.249	13.647		18.30
ATOM	951	CG2			140	4.073	16.418	13.086	1.000	14.97
ATOM	952	C			140	5.892	17.200	16.427	1.000	15.79
MOTA	953	0			140	5.144	17.816	17.200	1.000	16.44
ATOM	954	N			141	7.208	17.203	16.579	1.000	16.25
ATOM	955	CA	MET			7.900	17.899	17.660	1.000	21.24
ATOM	956	CB	MET			8.745	16.916	18.480	1.000	18.76
MOTA	957	CG	MET			9.555	17.528	19.619	1.000	15.74
ATOM	958	SD	MET			10.162	16.187	20.709	1.000	19.42
ATOM	959	CE	MET	Α	141	11.299	17.174	21.703	1.000	22.74
ATOM	960	С	MET	A	141	8.795	18.989	17.072	1.000	14.50
ATOM	961	0	MET	Α	141	9.715	18.659	16.332	1.000	19.95
ATOM	962	N	VAL	Α	142	8.551	20.246	17.347	1.000	18.34
MOTA	963	CA	VAL	Α	142	9.296	21.313	16.698	1.000	19.48
MOTA	964	CB	VAL	Α	142	8.396	22.310	15.933	1.000	22.88
MOTA	965	CG1	VAL	Α	142	9.226	22.965	14.836	1.000	28.48
ATOM	966	CG2	VAL	Α	142	7.180	21.668	15.294	1.000	30.53
ATOM	967	С	VAL	Α	142	10.112	22.075	17.732	1.000	23.04
ATOM	968	0	VAL	Α	142	9.990	23.280	17.923	1.000	23.56
ATOM	969	N	THR	Α	143	10.952	21.298	18.417	1.000	29.09
ATOM	970	CA	THR	Α	143	11.788	21.805	19.501	1.000	28.45
MOTA	971	СВ	THR	Α	143	10.984	22.204	20.751	1.000	26.09
MOTA	972	OG1	THR	Α	143	11.837	22.963	21.620	1.000	30.17
ATOM	973	CG2	THR	Α	143	10.487	21.021		1.000	17.97
ATOM	974	С	THR			12.829	20.744		1.000	29.90
ATOM	975	0	THR	Α	143	12.598	19.553	19.664		23.69
MOTA	976	N	GLN			14.008	21.163	20.257		
ATOM	977	CA	GLN			14.993	20.221	20.781		
ATOM	978	СВ	GLN			16.415	20.692	20.494		
ATOM	979	CG	GLN			16.871	20.426	19.061		
ATOM	980	CD	GLN			18.293	20.929	18.844		
ATOM	981		GLN			19.270	20.199	19.004		
ATOM	982		GLN			18.424	22.197	18.474		34.02
ATOM	983	C	GLN			14.724	20.124	22.271		
ATOM	984	0	GLN			14.724	21.024	22.878		
ATOM	985	N	CYS			15.115	19.032	22.927		
ATOM	986	CA	CYS			14.856	18.998	24.365		
ATOM	987	CB								
AION	201	CD	CYS	Н	143	15.313	17.631	24.897	1.000	20.92

MOTA	988	SG	CYS	Α	145	14.184	16.278	24.463		
MOTA	989	С	CYS	Α	145	15.601	20.109	25.083	1.000	26.27
MOTA	990	0	CYS	Α	145	15.152	20.691	26.056	1.000	25.34
MOTA	991	N	VAL	Α	146	16.795	20.375	24.555	1.000	27.66
MOTA	992	CA	VAL	Α	146	17.696	21.367	25.097	1.000	30.29
MOTA	993	CB	VAL	Α	146	18.963	20.721	25.711	1.000	36.55
ATOM	994	CG1	VAL	Α	146	19.918	21.827	26.139	1.000	34.60
ATOM	995	CG2	VAL	Α	146	18.601	19.795	26.859	1.000	44.23
ATOM	996	С			146	18.213	22.307	24.014		28.45
ATOM	997	Ó			146	18.841	21.790	23.076		40.86
ATOM	998	N			147	17.971	23.586	24.167		28.57
ATOM	999	CA	GLU		147	18.452	24.625	23.258	1.000	
ATOM	1000	CB			147	17.283	25.228	22.467		
ATOM	1001	CG			147	16.357	24.218	21.821		
ATOM	1001	CD			147	15.173	24.836	21.021		36.64
ATOM	1002	OE1				14.684	25.926	21.465		28.99
ATOM	1003	OE2				14.708		20.129		29.46
							24.197			
ATOM	1005	С			147	19.191	25.727	24.028		41.02
ATOM	1006	0	GLU			18.682	26.143	25.080		35.27
ATOM	1007	N			148	20.338	26.211	23.559		49.35
ATOM	1008	CA	LYS			21.141	27.170	24.317		50.64
ATOM	1009	CB	LYS			20.525	28.547	24.520	1.000	
ATOM	1010	CG	LYS			21.448	29.714	24.766		
ATOM	1011	CD	LYS			22.091	29.906	26.107		51.55
ATOM	1012	CE	LYS			23.607	30.019	26.124	1.000	
ATOM	1013	ΝZ	LYS			24.142	30.959		1.000	
ATOM	1014	С	LYS			21.369	26.580	25.712	1.000	
MOTA	1015	0	LYS			21.186	27.326	26.676	1.000	40.06
MOTA	1016	N	GLY			21.686	25.282		1.000	
MOTA	1017	CA	GLY			21.915	24.686	27.061		33.16
MOTA	1018	С	$\operatorname{GLY}$			20.778	24.925	28.034		34.12
MOTA	1019	0	GLY			20.966	24.992	29.241	1.000	33.20
MOTA	1020	N	ARG	Α	150	19.544	25.082	27.560	1.000	43.51
MOTA	1021	CA	ARG	Α	150	18.420	25.138	28.502	1.000	47.78
MOTA	1022	СВ	ARG	Α	150	17.913	26.553	28.703	1.000	56.08
ATOM	1023	CG	ARG	Α	150	16.416	26.706	28.896	1.000	63.73
MOTA	1024	CD	ARG	Α	150	16.066	28.176	29.132	1.000	69.11
ATOM	1025	NE	ARG	Α	150	16.737	28.703	30.311	1.000	74.23
ATOM	1026	CZ	ARG	Α	150	16.496	29.840	30.951	1.000	82.40
ATOM	1027	NH1	ARG	Α	150	15.544	30.672	30.553	1.000	94.75
ATOM	1028	NH2	ARG	Α	150	17.228	30.148	32.023		
ATOM	1029	С	ARG			17.319	24.195	28.020		40.29
ATOM	1030	0	ARG			17.214	23.897	26.826		44.43
ATOM	1031	N	VAL			16.553	23.714	28.991		
ATOM	1032	CA	VAL			15.612	22.624	28.731		
ATOM	1033	СВ	VAL			15.397	21.764	29.991		
ATOM	1034		VAL			16.743	21.494	30.643		35.31
ATOM	1035		VAL			14.448	22.442	30.961		
ATOM	1036	C	VAL			14.286	23.143	28.204		
ATOM	1037	0	VAL			13.588	23.143	28.783		
ATOM	1037	N	LYS			13.921	22.633	27.028		
ATOM	1039	CA	LYS			12.658	23.089	26.435		
ATOM	1002	CA	כות	ч	172	12.030	20.009	20.433	1.000	JZ.43

ATOM	1040	CB	LYS	Α	152	12.936	23.469	24.983	1.000	29.05
MOTA	1041	CG	LYS	Α	152	13.723	24.774	24.884	1.000	40.50
ATOM	1042	CD			152	13.161	25.824	25.832	1.000	34.61
ATOM	1043	CE			152	12.890	27.143	25.135		41.44
							28.247	26.118	1.000	47.72
ATOM	1044	NZ			152	12.672				
MOTA	1045	С			152	11.580	22.023	26.534		32.08
ATOM	1046	0			152	10.386	22.284	26.459		26.51
MOTA	1047	N	CYS	Α	153	11.986	20.771	26.708	1.000	26.76
ATOM	1048	CA	CYS	Α	153	11.021	19.668	26.654	1.000	25.46
MOTA	1049	CB	CYS	Α	153	10.682	19.380	25.189	1.000	21.77
ATOM	1050	SG	CYS	Α	153	9.398	18.138	24.927	1.000	22.14
ATOM	1051	C			153	11.618	18.432	27.306		26.32
ATOM	1052	Ö			153	12.824	18.201	27.158	1.000	25.23
	1053	N	ASP			10.807	17.640	27.999		23.11
ATOM								28.515		21.66
ATOM	1054	CA	ASP			11.355	16.378			
MOTA	1055	СВ	ASP			10.361	15.731	29.473		21.13
MOTA	1056	CG	ASP			10.962	14.589	30.267		28.12
ATOM	1057	OD1	ASP	A	154	11.961	14.786	30.981	1.000	33.22
MOTA	1058	OD2	ASP	Α	154	10.428	13.470	30.165	1.000	29.23
ATOM	1059	С	ASP	Α	154	11.654	15.413	27.380	1.000	25.41
ATOM	1060	0	ASP	Α	154	10.996	15.507	26.341	1.000	20.63
ATOM	1061	N	HIS			12.599	14.484	27.555	1.000	22.40
ATOM	1062	CA			155	12.785	13.364		1.000	
ATOM	1063	СВ	HIS			14.212	12.842	26.726		
ATOM	1064	CG	HIS			14.625	11.929		1.000	
		ND1					10.655	25.468	1.000	22.08
ATOM	1065					14.138				
ATOM	1066	CE1	HIS			14.671	10.085		1.000	22.58
ATOM	1067	NE2	HIS			15.510	10.940	23.845	1.000	19.53
ATOM	1068		HIS			15.484	12.098	24.594		24.73
ATOM	1069	С	HIS			11.740	12.307		1.000	
ATOM	1070	0	HIS			11.993	11.292	27.629		26.15
ATOM	1071	N	TYR	Α	156	10.500	12.546	26.561	1.000	21.24
ATOM	1072	CA	TYR	Α	156	9.346	11.821	27.075	1.000	18.68
MOTA	1073	CB	TYR	Α	156	8.041	12.643	26.958	1.000	17.87
ATOM	1074	CG	TYR	Α	156	7.765	13.067	25.525	1.000	18.81
ATOM	1075	CD1	TYR	Α	156	7.032	12.280	24.647		23.10
ATOM	1076	CE1	TYR			6.778	12.662	23.333	1.000	19.51
ATOM	1077	CZ	TYR			7.267	13.880	22.886		17.53
ATOM	1078	OH	TYR			7.003	14.236		1.000	16.54
	1070					7.997	14.689	23.725		
ATOM			TYR					25.723		
ATOM	1080		TYR			8.247	14.285			
ATOM	1081	С	TYR			9.152	10.478	26.379		
MOTA	1082	0	TYR			8.180	9.801	26.732		
ATOM	1083	N	TRP	A	157	10.005	10.148	25.427		
ATOM	1084	CA	TRP	Α	157	9.956	8.852	24.736	1.000	21.44
MOTA	1085	CB	TRP	Α	157	9.852	9.047	23.221	1.000	17.84
ATOM	1086	CG	TRP	Α	157	11.092	9.674	22.655	1.000	22.69
MOTA	1087	CD1	TRP			12.153	9.009	22.094	1.000	24.11
ATOM	1088	NE1	TRP			13.100	9.922	21.690		
ATOM	1089		TRP			12.655	11.191	21.991		
ATOM	1090		TRP			11.390	11.072	22.597		18.79
ATOM	1091		TRP			10.724	12.233	22.996		
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MOTA	1092	CZ3	TRP	A	157	11.325	13.459	22.787	1.000	18.73
MOTA	1093	CH2	TRP	Α	157	12.582	13.548	22.179	1.000	19.11
ATOM	1094	CZ2	TRP	Α	157	13.254	12.423	21.783	1.000	16.74
MOTA	1095	С	TRP	Α	157	11.180	8.027	25.116	1.000	
MOTA	1096	0	TRP	Α	157	12.146	8.606	25.626		22.55
ATOM	1097	N	PRO	Α	158	11.211	6.722	24.940		25.25
ATOM	1098	CA	PRO			12.363	5.904	25.331		23.55
ATOM	1099	СВ	PRO			11.959	4.495	24.848		23.59
ATOM	1100	CG	PRO			10.459	4.540	25.001		24.03
ATOM	1101	CD	PRO			10.115	5.887	24.391		24.42
ATOM	1102	C	PRO			13.675	6.254	24.671		22.71
ATOM	1103	Ö	PRO			13.804	6.665	23.522		24.60
ATOM	1104	N	ALA			14.735	6.052	25.470		
ATOM	1105	CA	ALA			16.057	6.433	24.978		26.79
ATOM	1106	CB	ALA			16.933	6.787	26.175		
ATOM	1107	С	ALA				5.340			
ATOM	1107	0	ALA			16.686		24.141		31.84
ATOM			ASP			17.702	5.599	23.481		37.52
ATOM	1109	N	ASP			16.119	4.135	24.142		24.95
	1110	CA			160	16.648	3.021	23.361		29.97
ATOM	1111	CB	ASP			17.725	2.249	24.119		33.98
ATOM	1112	CG	ASP			17.259	1.971	25.541		35.26
ATOM	1113		ASP ASP			16.102	1.530	25.682		
ATOM	1114					18.045	2.209	26.482		
ATOM	1115	C	ASP			15.522	2.053	23.016		
ATOM	1116	0	ASP			14.364	2.428	23.164	1.000	
ATOM	1117	N	GLN			15.855	0.834	22.622		
ATOM	1118	CA	GLN			14.765	-0.040	22.162		
ATOM	1119	CB	GLN			15.223	-0.925	20.993		30.92
ATOM	1120	CG	GLN			15.788	-0.089	19.845		45.69
ATOM	1121	CD	GLN			15.671	-0.678	18.458	1.000	48.73
ATOM	1122		GLN			15.341	-1.845	18.249		48.46
ATOM	1123	NE2				15.952	0.136		1.000	
ATOM	1124	С	GLN			14.187	-0.899	23.271		24.30
ATOM ATOM	1125	0	GLN			13.413	-1.806	22.956		25.26
	1126	N	ASP			14.518	-0.604	24.521		25.88
ATOM	1127	CA	ASP			13.974	-1.361	25.644	1.000	27.98
ATOM	1128	CB	ASP			14.876	-1.203	26.872	1.000	26.59
ATOM	1129	CG	ASP			16.207	-1.921	26.713	1.000	28.66
ATOM	1130		ASP			16.491	-2.448	25.628	1.000	31.96
ATOM	1131		ASP			16.968	-1.953	27.694		
ATOM	1132	С	ASP .			12.569	-0.891	25.982		
ATOM	1133	0	ASP .			12.382	0.304	26.182		
ATOM	1134	N	SER .			11.587	-1.785	26.071		
ATOM	1135	CA	SER .			10.208	-1.323	26.297		
ATOM	1136	СВ	SER .			9.239	-2.491	26.111		
ATOM	1137	OG	SER .			9.616	-3.639	26.863		
ATOM	1138	C	SER .			10.065	-0.701	27.671		
ATOM	1139	0	SER A			10.822	-1.039	28.596		
ATOM	1140	N	LEU A			9.115	0.215	27.839		
ATOM	1141	CA	LEU I			8.902	0.835	29.142		
ATOM	1142	CB	LEU A			9.650	2.160	29.279		
ATOM	1143	CG	LEU A	Α.	164	11.081	2.263	29.771	1.000	32.69

ATOM	1144	CD1	LEU A	164	11.536	3.726	29.711 1.000 28.59
ATOM	1145	CD2	LEU A	164	11.280	1.731	31.183 1.000 31.11
ATOM	1146	С	LEU A	164	7.421	1.126	29.396 1.000 27.10
ATOM	1147	0	LEU P	164	6.712	1.554	28.476 1.000 18.26
ATOM	1148	N	TYR A	165	6.948	0.930	30.633 1.000 16.81
ATOM	1149	CA	TYR A	165	5.610	1.374	30.989 1.000 15.66
ATOM	1150	CB	TYR F	165	5.152	0.803	32.324 1.000 17.16
ATOM	1151	CG	TYR A	165	4.704	-0.642	32.238 1.000 22.22
ATOM	1152	CD1	TYR F	165	3.479	-0.947	31.670 1.000 22.09
ATOM	1153	CE1	TYR F	165	3.008	-2.244	31.568 1.000 21.78
ATOM	1154	CZ	TYR P	165	3.812	-3.256	32.062 1.000 20.60
ATOM	1155	OH	TYR A	165	3.338	-4.550	31.950 1.000 25.51
ATOM	1156	CE2	TYR A	165	5.032	-2.978	32.631 1.000 18.30
MOTA	1157	CD2	TYR A	165	5.506	-1.670	32.740 1.000 18.57
ATOM	1158	С	TYR A	165	5.563	2.905	31.134 1.000 20.90
MOTA	1159	0	TYR A	165	6.525	3.443	31.688 1.000 19.46
MOTA	1160	N	TYR A	166	4.495	3.530	30.690 1.000 17.57
MOTA	1161	CA	TYR A	166	4.172	4.933	30.964 1.000 16.74
MOTA	1162	CB	TYR A	166	4.262	5.809	29.718 1.000 17.74
ATOM	1163	CG	TYR A	166	5.648	6.083	29.202 1.000 18.55
MOTA	1164	CD1	TYR A	166	6.318	7.284	29.472 1.000 15.85
MOTA	1165	CE1	TYR A	166	7.589	7.509	28.990 1.000 15.83
MOTA	1166	CZ	TYR A	166	8.236	6.569	28.235 1.000 17.11
MOTA	1167	ОН	TYR A	166	9.498	6.772	27.739 1.000 21.34
ATOM	1168	CE2	TYR A	166	7.597	5.380	27.954 1.000 20.45
ATOM	1169	CD2	TYR A	166	6.324	5.153	28.434 1.000 19.30
ATOM	1170	С	TYR A	166	2.755	4.969	31.521 1.000 17.54
MOTA	1171	0	TYR A	166	1.784	4.874	30.773 1.000 18.04
ATOM	1172	N	GLY A	167	2.582	5.076	32.829 1.000 18.81
ATOM	1173	CA	GLY A	167	1.205	4.954	33.330 1.000 22.60
ATOM	1174	С	GLY A	167	0.691	3.555	33.040 1.000 22.40
ATOM	1175	0	GLY A	167	1.404	2.570	33.233 1.000 24.80
MOTA	1176	N	ASP A	168	-0.529	3.434	32.527 1.000 21.14
ATOM	1177	CA	ASP A	168	-1.052	2.125	32.187 1.000 19.46
ATOM	1178	CB	ASP A	168	-2.583	2.105	32.330 1.000 19.01
ATOM	1179	CG	ASP A	168	-2.972	2.233	33.792 1.000 29.38
MOTA	1180	OD1	ASP A		-2.199	1.795	34.675 1.000 31.79
ATOM	1181		ASP A		-4.064	2.776	34.047 1.000 41.21
MOTA	1182	C	ASP A	168	-0.707	1.690	30.779 1.000 22.83
MOTA	1183	0	ASP A		-1.223	0.665	30.330 1.000 32.53
MOTA	1184	N	LEU A	169	0.113	2.428	30.059 1.000 22.05
MOTA	1185	CA	LEU A		0.439	2.054	28.685 1.000 20.08
ATOM	1186	CB	LEU A	169	0.372	3.268	27.736 1.000 19.68
MOTA	1187	CG	LEU A		-0.925	4.075	27.798 1.000 38.06
MOTA	1188		LEU A		-0.792	5.463	27.170 1.000 25.80
ATOM	1189	CD2	LEU A	169	-2.049	3.304	27.119 1.000 37.43
MOTA	1190	С	LEU A		1.840	1.480	28.619 1.000 21.18
ATOM	1191	0	LEU A		2.677	1.776	29.476 1.000 22.88
ATOM	1192	N	ILE A		2.110	0.675	27.585 1.000 15.34
ATOM	1193	CA	ILE A		3.498	0.257	27.438 1.000 16.78
ATOM	1194	CB	ILE A		3.759	-1.248	27.605 1.000 23.77
MOTA	1195	CG1	ILE A	170	5.235	-1.602	27.342 1.000 28.45

ATOM	1196	CD1	ILE	A	170	5.709	-2.782	28.165	1.000	28.18
ATOM	1197	CG2	ILE	Α	170	2.849	-2.102	26.746	1.000	23.17
ATOM	1198	С	ILE	Α	170	3.966	0.706	26.047	1.000	19.57
ATOM	1199	0	ILE	Α	170	3.177	0.625	25.107	1.000	18.10
ATOM	1200	N	LEU	Α	171	5.196	1.186	26.013	1.000	19.57
ATOM	1201	CA	LEU	A	171	5.709	1.829	24.789	1.000	23.46
ATOM	1202	СВ	LEU	Α	171	5.723	3.318	25.102	1.000	24.58
ATOM	1203	CG	LEU	Α	171	6.059	4.395	24.098	1.000	38.61
MOTA	1204	CD1			171	4.995	4.543	23.027	1.000	29.72
MOTA	1205	CD2			171	6.247	5.726	24.826	1.000	32.91
MOTA	1206	С			171	7.042	1.210	24.442	1.000	
MOTA	1207	0			171	7.863	0.848	25.294		22.43
MOTA	1208	N			172	7.320	1.018	23.159	1.000	18.94
ATOM	1209	CA			172	8.609	0.485	22.749		
MOTA	1210	CB			172	8.516	-1.033	22.548		25.07
MOTA	1211	CG			172	9.801	-1.733	22.146		23.89
ATOM	1212	CD			172	9.639	-3.222	21.918		32.82
ATOM	1213	OE1			172	8.737	-3.720	21.242		36.92
ATOM	1214	NE2			172	10.552	-3.981	22.530	1.000	
ATOM	1215	С			172	9.049	1.190	21.475	1.000	20.94
ATOM	1216	0			172	8.271	1.224	20.521	1.000	
ATOM	1217	N			173	10.265	1.709	21.448		21.76
ATOM	1218	CA			173	10.771	2.361	20.246	1.000	19.32
ATOM	1219	CB			173	11.848	3.393	20.622		20.29
ATOM	1220	CG	MET			12.395	4.082	19.350		
ATOM	1221	SD	MET			13.333	5.573	19.752		
ATOM	1222	CE	MET			14.788	4.835	20.498	1.000	34.32
ATOM	1223	С	MET			11.331	1.325	19.286	1.000	
ATOM	1224	0	MET			12.211	0.554	19.678	1.000	25.02
ATOM	1225	N	LEU			10.824	1.300	18.058	1.000	
ATOM	1226	CA	LEU			11.188	0.272	17.086		26.84
ATOM	1227	CB	LEU		174	9.993	-0.104	16.224		29.19
ATOM	1228	CG	LEU			8.732	-0.590	16.934		33.01
ATOM	1229	CD1	LEU			7.688	-0.964	15.897	1.000	
ATOM	1230	CD2	LEU			9.062	-1.757	17.857	1.000	38.21
ATOM ATOM	1231 1232	C O	LEU LEU		174	12.299	0.737	16.159	1.000	
ATOM	1232	N	SER			13.081 12.364	-0.049	15.641	1.000	28.22
ATOM	1234	CA	SER			13.420	2.050 2.612	15.956 15.111	1.000	28.86 30.23
ATOM	1235	CB	SER			13.420	2.372	13.626		
ATOM	1236	OG	SER			12.320	3.403	13.020		
ATOM	1237	C	SER			13.595	4.101	15.397		
ATOM	1238	0	SER			12.690	4.787	15.885		
ATOM	1239	N	GLU			14.798	4.562	15.104		
ATOM	1240	CA	GLU			15.204	5.939	15.322		
ATOM	1241	CB	GLU			15.885	6.109	16.674		
ATOM	1242	CG	GLU			16.366	7.514	16.976		
ATOM	1243	CD	GLU			16.890	7.563	18.413		
ATOM	1244		GLU			18.041	7.104	18.596		
ATOM	1245		GLU			16.182	8.023	19.331		
ATOM	1246	C	GLU			16.158	6.334	14.203		
ATOM	1247	0	GLU			17.237	5.756	14.149		
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ATOM	1248	N	SER	A	177	15.754	7.260	13.341	1.000	26.10
MOTA	1249	CA	SER	A	177	16.562	7.596	12.175	1.000	22.13
MOTA	1250	CB	SER	A	177	15.850	7.215	10.880	1.000	24.63
MOTA	1251	OG	SER	A	177	15.442	5.858	10.852	1.000	32.57
MOTA	1252	С	SER	A	177	16.888	9.079	12.211	1.000	19.74
MOTA	1253	0	SER	A	177	16.041	9.955	12.003	1.000	24.72
ATOM	1254	N			178	18.142	9.387	12.521	1.000	21.76
MOTA	1255	CA			178	18.577	10.766	12.651	1.000	20.70
MOTA	1256	CB	VAL			19.777	10.890	13.604	1.000	30.20
MOTA	1257	CG1				20.138	12.353	13.823	1.000	
ATOM	1258	CG2			178	19.478	10.224	14.943	1.000	30.74
ATOM	1259	С			178	18.959	11.311	11.280	1.000	
MOTA	1260	0			178	19.885	10.794	10.652	1.000	26.60
MOTA	1261	N			179	18.244	12.333	10.828	1.000	23.24
ATOM	1262	CA			179	18.550	12.947	9.541	1.000	17.95
ATOM	1263	СВ			179	17.292	12.950	8.668	1.000	19.90
MOTA	1264	CG			179	16.414	11.712	8.694		19.48
ATOM	1265	CD1	-		179	15.201	11.861	7.765		20.09
ATOM	1266	CD2	-			17.209	10.467	8.304		23.69
ATOM	1267	С			179	19.119	14.337	9.791		22.68
ATOM	1268	0			179	19.079	14.824	10.939		
ATOM	1269	N			180	19.677	15.022	8.798	1.000	26.71
ATOM	1270	CA			180	20.320	16.317	9.086	1.000	23.99
ATOM	1271	CB			180	20.700	16.849	7.686		24.76
ATOM	1272	CG			180	20.859	15.612	6.863	1.000	
ATOM	1273	CD			180	19.801	14.649	7.378		29.95
ATOM	1274	C			180	19.439	17.339	9.771		23.60
ATOM	1275	0			180	19.901	18.080	10.636	1.000	
ATOM	1276	N C7	GLU			18.151	17.441		1.000	
ATOM	1277 1278	CA	GLU			17.363	18.480		1.000	
ATOM ATOM	1279	CB CG	GLU		181	16.858	19.455	8.991	1.000	
ATOM	1279	CD	GLU			18.003	20.315			34.87
ATOM	1281	OE1	GLU GLU			17.596	21.325 21.008	7.421		37.86
ATOM	1282	OE2	GLU		181	16.746 18.154	22.440	6.567 7.452		32.02
ATOM	1283	C	GLU			16.134	17.945	10.870	1.000	44.17
ATOM	1284	0	GLU		181	15.507	18.740	11.537		17.99 19.13
ATOM	1285	N	TRP			15.906	16.648	10.817	1.000	
ATOM	1286	CA	TRP			14.848	16.095		1.000	
ATOM	1287	CB	TRP			13.432	16.217	11.113		
ATOM	1288	CG	TRP			13.192	15.913		1.000	
ATOM	1289		TRP			12.852	14.727		1.000	
ATOM	1290		TRP			12.715	14.821		1.000	
ATOM	1291		TRP			12.971	16.112		1.000	
ATOM	1292		TRP			13.275	16.826		1.000	
ATOM	1293		TRP			13.583	18.197		1.000	
ATOM	1294		TRP			13.571	18.785		1.000	
ATOM	1295		TRP			13.261	18.032		1.000	
ATOM	1296		TRP			12.956	16.698		1.000	
ATOM	1297	C	TRP			15.188	14.629	11.929		
ATOM	1298	Ō	TRP			15.996	14.011	11.228		
ATOM	1299	N	THR			14.549	14.085	12.961		
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MOTA	1300	CA	THR	Α	183	14.699	12.677	13.292	1.000	20.50
ATOM	1301	СВ	THR	Α	183	15.328	12.553	14.701	1.000	23.44
ATOM	1302	OG1	THR			16.636	13.143	14.619	1.000	24.00
ATOM	1303	CG2	THR			15.453	11.104	15.137	1.000	
						13.349	11.988	13.226		
MOTA	1304	C	THR							
MOTA	1305	0	THR			12.354	12.543	13.710		
MOTA	1306	N	ILE			13.301	10.809		1.000	
MOTA	1307	CA	ILE			12.051	10.059	12.556		
MOTA	1308	CB	ILE			11.775	9.676	11.096		19.83
ATOM	1309	CG1	ILE	Α	184	11.821	10.921	10.196	1.000	20.74
MOTA	1310	CD1	ILE	Α	184	11.379	10.717	8.765	1.000	23.01
MOTA	1311	CG2	ILE	Α	184	10.481	8.900	10.978	1.000	19.48
ATOM	1312	C	ILE			12.134	8.828	13.450	1.000	25.32
ATOM	1313	0	ILE			13.056	8.018	13.311	1.000	
	1314	N	ARG			11.189	8.678	14.370	1.000	
ATOM			ARG			11.171	7.501		1.000	
ATOM	1315	CA						16.693		
ATOM	1316	CB	ARG			11.381	7.882			
MOTA	1317	CG	ARG			12.739	8.478	17.011	1.000	
MOTA	1318	CD	ARG			12.764	9.060	18.407		22.23
MOTA	1319	NE	ARG			13.977	9.765	18.768	1.000	
MOTA	1320	CZ	ARG			14.318	11.031	18.624		22.96
MOTA	1321		ARG			13.515	11.930	18.062	1.000	
ATOM	1322	NH2	ARG	Α	185	15.513	11.426	19.056		
ATOM	1323	С	ARG	Α	185	9.836	6.796	15.067	1.000	20.34
ATOM	1324	0	ARG	Α	185	8.827	7.415	14.740	1.000	19.60
MOTA	1325	N	GLU	Α	186	9.842	5.499	15.318	1.000	21.83
ATOM	1326	CA	GLU	Α	186	8.590	4.756	15.330	1.000	19.84
ATOM	1327	СВ	GLU	Α	186	8.495	3.779	14.165	1.000	27.08
ATOM	1328	CG	GLU			7.086	3.286	13.877	1.000	38.65
ATOM	1329	CD	GLU			6.961	2.255	12.778	1.000	49.85
ATOM	1330	OE1	GLU			7.958	1.554	12.481	1.000	
ATOM	1331		GLU			5.874	2.119	12.169		
ATOM	1332	C	GLU			8.507	4.004	16.664		
ATOM	1333	0	GLU			9.494	3.391	17.085		
						7.342	4.092	17.281	1.000	
ATOM	1334	N	PHE					18.513	1.000	
ATOM	1335	CA	PHE			7.016	3.401			
ATOM	1336	CB	PHE			6.609	4.390	19.609		
MOTA	1337	CG	PHE			7.601	5.542	19.741	1.000	
MOTA	1338		PHE			7.288	6.798	19.268		
MOTA	1339		PHE			8.192	7.832	19.409		
MOTA	1340	CZ	PHE			9.428	7.634	19.993		
MOTA	1341	CE2	PHE	А	187	9.746	6.376	20.477		
MOTA	1342	CD2	PHE	Α	187	8.832	5.341	20.350	1.000	25.25
MOTA	1343	С	PHE	Α	187	5.836	2.453	18.339	1.000	20.12
MOTA	1344	0	PHE	Α	187	4.844	2.733	17.687	1.000	23.02
ATOM	1345	N	LYS			5.969	1.320	19.015	1.000	29.00
ATOM	1346	CA	LYS			4.814	0.486	19.315		
ATOM	1347	СВ	LYS			5.229	-0.986	19.280		
ATOM	1348	CG	LYS			4.064	-1.959	19.180		
ATOM	1349	CD	LYS			4.560	-3.360	18.830		
ATOM	1350	CE	LYS			5.255	-3.976	20.036		
ATOM	1351	NZ	LYS			5.958	-5.246	19.707		
AIUM	1221	147	птЭ	n	100	5.950	J. Z. T. U	101	1.000	31.10

ATOM	1352	С	LYS	Α	188	4.247	0.908	20.669	1.000	21.37
MOTA	1353	0	LYS	Α	188	4.984	1.012	21.650	1.000	20.70
MOTA	1354	N	ILE	Α	189	2.942	1.151	20.722	1.000	19.68
ATOM	1355	CA			189	2.280	1.419	21.990	1.000	20.68
MOTA	1356	CB			189	1.712	2.853	22.019	1.000	
ATOM	1357	CG1	ILE			1.092	3.235	23.363		22.26
ATOM	1358	CD1	ILE			0.940	4.748	23.485		39.28
	1359	CG2	ILE			0.721	3.104	20.879		26.76
ATOM	1360	C			189	1.160	0.429	22.259	1.000	
ATOM					189	0.397	0.070	21.351		23.56
MOTA	1361	0						23.514		24.27
MOTA	1362	N	CYS			1.032	-0.021			
MOTA	1363	CA	CYS			-0.078	-0.912	23.859		21.00
MOTA	1364	CB	CYS			0.402	-2.336	24.179		28.92
MOTA	1365	SG	CYS			1.318	-3.174	22.867		32.32
MOTA	1366	С	CYS			-0.838	-0.365	25.055		26.90
MOTA	1367	0	CYS			-0.279	-0.024	26.098		22.81
MOTA	1368	N	GLY			-2.159	-0.270	24.946	1.000	
MOTA	1369	CA	GLY	Α	191	-2.883	0.291	26.094		35.73
MOTA	1370	С	$\operatorname{GLY}$	Α	191	-4.150	-0.485	26.348	1.000	42.74
ATOM	1371	0	GLY	Α	191	-4.326	-1.578	25.793	1.000	32.85
ATOM	1372	N	GLU	Α	192	<b>-</b> 5.093	-0.003	27.180	1.000	51.55
ATOM	1373	CA	GLU	Α	192	-6.223	-0.938	27.283	1.000	66.18
ATOM	1374	CB	GLU	Α	192	-7.133	-0.742	28.489	1.000	76.10
MOTA	1375	CG	GLU	Α	192	-7.860	-2.067	28.785	1.000	85.72
ATOM	1376	CD	GLU			-7.026	-3.266	28.356	1.000	87.86
ATOM	1377		GLU			-6.184	-3.687		1.0003	106.89
ATOM	1378		GLU			-7.174	-3.794	27.229	1.000	
ATOM	1379	C	GLU			-7.019	-0.844	25.974	1.000	
ATOM	1380	0	GLU			-7.455	0.251	25.638		49.89
ATOM	1381	N	GLU			-7.112	-1.996	25.326	1.000	
ATOM	1382	CA	GLU			-7.600	-2.127		1.000	
ATOM	1383	CB	GLU			-7.726	-3.604		1.000	
ATOM	1384	CG	GLU			-8.209	-3.661	22.102	1.000	
ATOM	1385	CD	GLU			-8.606	-5.058	21.671		69.93
ATOM	1386	OE1				-9.439	-5.674	22.369		80.76
ATOM	1387	OE2				-8.081	-5.511		1.000	
						-8.963	-1.475	23.781		64.42
ATOM	1388	C	GLU			-9.945			1.000	
MOTA	1389	0	GLU			-9.943 -9.008	-1.868 -0.492	22.895		
MOTA	1390	N	GLN				0.128			
MOTA	1391	CA	GLN			-10.257		22.460		
ATOM	1392	СВ	GLN			-10.256	1.622	22.773		
MOTA	1393	CG	GLN			-8.915	2.066	23.359		
MOTA	1394	CD	GLN			-8.739	3.571	23.383		
ATOM	1395		GLN			-8.193	4.160	22.449		
MOTA	1396		GLN			-9.206	4.183	24.467		
MOTA	1397	С	GLN			-10.409	-0.139	20.964		
ATOM	1398	0	GLN			-10.725	-1.270	20.581		
MOTA	1399	N	LEU			-10.151	0.891	20.161		
MOTA	1400	CA	LEU			-10.167	0.734	18.707		
MOTA	1401	CB	LEU			-10.095	2.103	18.027		
MOTA	1402	CG	LEU			-11.473	2.711	17.749		
MOTA	1403	CD1	LEU	A	195	-11.369	4.144	17.248	1.000	64.31

ATOM	1404	CD2	LEU	Α	195	-12.213	1.828	16.745	1.000	77.61
MOTA	1405	С	LEU	Α	195	-9.029	-0.175	18.251	1.000	62.19
ATOM	1406	0	LEU	Α	195	-9.207	-0.990	17.345	1.000	74.97
MOTA	1407	N	ASP	Α	196	-7.874	-0.040	18.893	1.000	64.63
ATOM	1408	CA	ASP	Α	196	-6.730	-0.907	18.651	1.000	71.88
MOTA	1409	CB	ASP	Α	196	-5.616	-0.149	17.929	1.000	69.22
ATOM	1410	CG	ASP	Α	196	-5.589	1.331	18.254		68.85
MOTA	1411	OD1	ASP			-5.984	1.716	19.374		
MOTA	1412	OD2	ASP			-5.168	2.105	17.363		68.77
ATOM	1413	С	ASP			-6.197	-1.496	19.959		75.55
ATOM	1414	Ō	ASP			-6.396	-0.908	21.026		
ATOM	1415	N	ALA			-5.530	-2.643	19.864		
ATOM	1416	CA	ALA			-4.895	-3.267	21.020		76.86
ATOM	1417	СВ	ALA			-5.256	-4.738	21.113		89.29
ATOM	1418	C	ALA			-3.376	-3.077	20.976		70.52
ATOM	1419	0	ALA			-2.709	-3.074	22.013		40.24
ATOM	1420	N	HIS			-2.852	-2.910	19.772		
ATOM	1421	CA	HIS			-1.497	-2.444	19.510		70.91
ATOM	1422	CB	HIS			-0.565	-3.597	19.162		75.50
ATOM	1423	CG	HIS			-1.090	-4.481	18.069		88.48
ATOM	1424	ND1				-1.492	-5.779	18.290		94.26
ATOM	1425		HIS			-1.906	-6.315	17.155		93.97
ATOM	1426		HIS			-1.788	-5.411	16.199		94.98
ATOM	1427		-HIS			-1.280	-4.259	16.747		92.03
ATOM	1428	C	HIS			-1.534	-1.404	18.383		71.60
ATOM	1429	0	HIS			-2.374	-1.488	17.480	1.000	79.54
ATOM	1430	N	ARG			-0.649	-0.416	18.408		59.29
ATOM	1431	CA	ARG			-0.625	0.649	17.409		35.48
ATOM	1432	CB	ARG			-1.445	1.854	17.881		27.18
ATOM	1433	CG	ARG			-1.499	2.997	16.876	1.000	
ATOM	1434	CD	ARG			-2.136	4.248			30.52
ATOM	1435	NE	ARG			-3.326	3.985	18.281		24.15
ATOM	1436	CZ	ARG			-3.802	4.809	19.209		28.77
ATOM	1437	NH1	ARG			-3.159	5.961	19.433		21.27
ATOM	1438	NH2	ARG			-4.894	4.481	19.891		20.72
ATOM	1439	С	ARG			0.811	1.091	17.148		34.48
ATOM	1440	0	ARG			1.652	1.004	18.041	1.000	33.43
ATOM	1441	N	LEU			1.073	1.574	15.945	1.000	25.06
ATOM	1442	CA	LEU			2.347	2.162	15.564	1.000	24.44
ATOM	1443	СВ	LEU			2.763	1.609	14.186		
ATOM	1444	CG	LEU			2.956	0.076	14.187		38.30
ATOM	1445		LEU			3.183	-0.457	12.783		34.53
ATOM	1446		LEU			4.085	-0.324	15.136		24.70
ATOM	1447	C	LEU			2.247	3.680	15.530		
ATOM	1448	Ō	LEU			1.329	4.254	14.940		
ATOM	1449	N	ILE			3.190	4.352	16.167		21.65
MOTA	1450	CA	ILE			3.223	5.805	16.195		
ATOM	1451	CB	ILE			3.243	6.350	17.634		
ATOM	1452	CG1	ILE			2.224	5.707	18.555		
ATOM	1453		ILE .			0.840	6.267	18.547		
ATOM	1454					3.105	7.874	17.627		
ATOM	1455	C	ILE .			4.494	6.275	15.498		
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MOTA	1456	0	ILE A		5.543	5.697	15.797 1.000 21.43
MOTA	1457	N	ARG A		4.395	7.244	14.609 1.000 15.34
ATOM	1458	CA	ARG A		5.529	7.874	13.952 1.000 13.92
MOTA	1459	CB	ARG A		5.344	8.052	12.442 1.000 21.70
MOTA	1460	CG	ARG A		4.824	6.798	11.747 1.000 37.52
ATOM	1461	CD	ARG A	202	5.397	6.648	10.346 1.000 48.86
MOTA	1462	NE	ARG A	202	6.613	5.885	10.269 1.000 46.03
MOTA	1463	CZ	ARG A	202	7.751	6.058	9.632 1.000 45.70
ATOM	1464	NH1	ARG A	202	8.037	7.082	8.834 1.000 37.98
ATOM	1465	NH2	ARG A	202	8.673	5.112	9.812 1.000 32.36
MOTA	1466	С	ARG A	202	5.730	9.248	14.587 1.000 16.51
ATOM	1467	0	ARG A	202	4.762	9.959	14.863 1.000 18.08
ATOM	1468	N	HIS A	203	6.987	9.543	14.854 1.000 17.20
MOTA	1469	CA	HIS A		7.433	10.725	15.560 1.000 16.92
ATOM	1470	СВ	HIS A		8.142	10.336	16.854 1.000 20.76
ATOM	1471	CG	HIS A		8.421	11.450	17.803 1.000 16.82
MOTA	1472		HIS A		9.626	12.125	17.837 1.000 21.78
ATOM	1473		HIS A		9.592	13.064	18.762 1.000 18.85
ATOM	1474		HIS A		8.404	13.021	19.331 1.000 19.59
MOTA	1475		HIS A		7.654	12.037	18.755 1.000 16.71
ATOM	1476	C	HIS A		8.357	11.516	14.629 1.000 15.29
	1477	0	HIS A		9.374	10.977	14.206 1.000 20.50
ATOM			PHE A		7.949	12.737	14.315 1.000 19.40
ATOM	1478	N	PHE A		8.668	13.627	13.398 1.000 22.59
ATOM	1479	CA	PHE A		7.750	14.112	12.280 1.000 16.25
ATOM	1480	CB					11.535 1.000 19.17
ATOM	1481	CG	PHE A		7.133	12.949	11.888 1.000 20.80
ATOM	1482	CD1	PHE A		5.859	12.519	11.195 1.000 18.80
ATOM	1483	CE1	PHE A		5.296	11.466	
ATOM	1484	CZ	PHE A		5.976	10.843	10.173 1.000 24.56
ATOM	1485	CE2	PHE A		7.246	11.266	9.820 1.000 23.53
ATOM	1486		PHE A		7.825	12.307	10.529 1.000 21.57
ATOM	1487	С	PHE A		9.237	14.789	14.191 1.000 15.29
ATOM	1488	0	PHE A		8.545	15.706	14.632 1.000 18.02
ATOM	1489	N	HIS A		10.552	14.693	14.407 1.000 17.57
MOTA	1490	CA	HIS A		11.231	15.586	15.336 1.000 20.77
ATOM	1491	CB	HIS A		12.017	14.705	16.297 1.000 22.15
MOTA	1492	CG	HIS A		12.733	15.407	17.404 1.000 23.38
MOTA	1493	ND1	HIS A		12.618	16.749	17.686 1.000 28.56
MOTA	1494		HIS A		13.372	17.053	18.726 1.000 22.17
MOTA	1495	NE2	HIS A	205		15.963	
MOTA	1496	CD2	HIS A	205	13.598	14.913	18.326 1.000 19.72
MOTA	1497	С	HIS A	205	12.140	16.556	14.583 1.000 20.64
MOTA	1498	0	HIS A	205	13.207	16.157	14.120 1.000 20.31
MOTA	1499	N	TYR A	206	11.736	17.808	14.448 1.000 20.99
MOTA	1500	CA	TYR A	206	12.552	18.816	13.771 1.000 18.48
MOTA	1501	CB	TYR A		11.683	19.944	13.305 1.000 21.09
ATOM	1502	CG	TYR A		12.270	20.944	12.340 1.000 17.56
ATOM	1503	CD1			12.517	20.592	11.011 1.000 16.37
MOTA	1504	CE1			13.048	21.568	10.167 1.000 22.62
ATOM	1505	CZ	TYR A		13.294	22.833	10.665 1.000 23.75
ATOM	1506	OH	TYR A		13.820		9.833 1.000 24.85
MOTA	1507		TYR A		13.044	23.195	11.972 1.000 25.09
111 011	200,	<u> </u>			20,071		

ATOM 1508 CD2 TYR A 206											
ATOM         1510 0         O         TYR A 206         13.165         19.799         15.824 1.000 21.03           ATOM         1512 CA         CA         THR A 207         14.855         19.255         14.458 1.000 20.95           ATOM         1512 CA         CR         THR A 207         15.937         19.446         15.436 1.000 21.21           ATOM         1513 CB         CR         THR A 207         16.825         18.181         15.436 1.000 21.21           ATOM         1515 CG2 THR A 207         16.034         16.975         15.913 1.000 20.79           ATOM         1516 C         CTHR A 207         16.791         20.668         15.990 1.000 27.49           ATOM         1518 CV         CTHR A 207         17.837         20.877         15.720 1.000 27.40           ATOM         1518 CV         CA VAL A 208         16.366         21.501         14.140 1.000 24.45           ATOM         1521 CGI         VAL A 208         17.838         22.496         12.481 1.000 28.35           ATOM         1521 CGI         VAL A 208         16.323         23.999         13.935 1.000 21.06           ATOM         1524 CGI         VAL A 208         16.849         24.981         13.417 1.000 26.9           ATOM <td>ATOM</td> <td>1508</td> <td>CD2</td> <td>TYR</td> <td>Α</td> <td>206</td> <td>12.518</td> <td>22.219</td> <td>12.812</td> <td>1.000</td> <td>22.77</td>	ATOM	1508	CD2	TYR	Α	206	12.518	22.219	12.812	1.000	22.77
ATOM 1511 N THR A 207 15.937 19.246 15.406 1.000 20.95 ATOM 1512 CA THR A 207 15.937 19.446 15.406 1.000 21.21 ATOM 1513 CB THR A 207 16.037 19.446 15.406 1.000 21.21 ATOM 1514 OG1 THR A 207 17.300 17.892 14.110 1.000 24.55 ATOM 1515 CG2 THR A 207 16.034 16.975 15.913 1.000 29.49 ATOM 1516 C THR A 207 16.791 20.668 15.090 1.000 29.49 ATOM 1517 O THR A 207 17.837 20.877 15.720 1.000 27.61 ATOM 1518 N VAL A 208 16.366 21.501 14.140 1.000 24.45 ATOM 1519 CA VAL A 208 17.216 22.662 13.859 1.000 21.06 ATOM 1520 CB VAL A 208 17.883 22.496 12.481 1.000 28.39 ATOM 1521 CG1 VAL A 208 16.849 22.387 11.368 1.000 20.57 ATOM 1522 CG2 VAL A 208 16.849 22.387 11.368 1.000 20.57 ATOM 1523 C VAL A 208 16.849 22.387 11.368 1.000 20.57 ATOM 1524 O VAL A 208 16.523 23.999 13.935 1.000 31.86 ATOM 1525 N TRP A 209 15.359 24.144 14.567 1.000 26.72 ATOM 1526 CA TRP A 209 15.359 24.144 14.567 1.000 26.72 ATOM 1527 CB TRP A 209 12.553 26.652 15.078 1.000 30.27 ATOM 1528 CG TRP A 209 12.553 26.652 15.078 1.000 31.16 ATOM 1530 NEI TRP A 209 12.553 26.652 15.078 1.000 31.15 ATOM 1531 CC2 TRP A 209 11.725 28.752 15.093 1.000 28.47 ATOM 1532 CD2 TRP A 209 11.725 28.752 15.093 1.000 28.47 ATOM 1531 CC2 TRP A 209 11.725 28.752 15.093 1.000 28.47 ATOM 1531 CC2 TRP A 209 11.725 28.752 15.093 1.000 28.47 ATOM 1531 CC2 TRP A 209 10.845 28.000 14.356 1.000 22.81 ATOM 1531 CC2 TRP A 209 10.845 28.000 14.356 1.000 28.46 ATOM 1535 CH2 TRP A 209 10.611 25.704 13.629 1.000 22.81 ATOM 1536 CC2 TRP A 209 10.611 25.704 13.629 1.000 22.81 ATOM 1537 C TRP A 209 10.611 25.704 13.629 1.000 22.81 ATOM 1538 O TRP A 209 16.61 29.577 11.013.629 1.000 22.81 ATOM 1536 CC2 TRP A 209 16.619 25.704 13.629 1.000 22.81 ATOM 1537 C TRP A 209 16.619 25.704 13.629 1.000 22.81 ATOM 1538 O TRP A 209 16.619 27.707 10.000 28.46 ATOM 1537 C TRP A 209 16.619 27.707 10.000 28.46 ATOM 1538 O TRP A 209 16.6330 29.568 13.828 1.000 30.83 ATOM 1536 CA ARP A 211 17.006 29.720 19.366 1.000 34.21 ATOM 1548 C B PRO A 210 16.535 29.957 14.656 1.000 30.83 ATOM 1548 C B PRO A 210 16.535 29.95	ATOM	1509	С	TYR	Α	206	13.580	19.341	14.783	1.000	16.12
ATOM 1512 CA THR A 207 16.825 18.181 15.436 1.000 25.39 ATOM 1513 CB THR A 207 16.825 18.181 15.436 1.000 21.21 ATOM 1514 OG1 THR A 207 17.300 17.892 14.110 1.000 24.55 ATOM 1515 CG2 THR A 207 16.034 16.975 15.913 1.000 20.79 ATOM 1516 C THR A 207 16.034 16.975 15.913 1.000 20.79 ATOM 1517 O THR A 207 17.837 20.877 15.720 1.000 27.61 ATOM 1518 N VAL A 208 16.366 21.501 14.140 1.000 24.45 ATOM 1519 CA VAL A 208 17.883 22.496 12.481 1.000 21.06 ATOM 1520 CB VAL A 208 17.883 22.496 12.481 1.000 23.56 ATOM 1521 CG1 VAL A 208 18.791 21.272 12.532 1.000 23.56 ATOM 1522 CG2 VAL A 208 16.492 22.387 11.368 1.000 20.57 ATOM 1523 C VAL A 208 16.523 23.999 13.935 1.000 31.86 ATOM 1524 O VAL A 208 16.523 23.999 13.935 1.000 31.86 ATOM 1525 N TRP A 209 15.559 24.144 14.567 1.000 26.72 ATOM 1526 CA TRP A 209 14.797 25.499 14.665 1.000 30.27 ATOM 1527 CB TRP A 209 14.797 25.499 14.665 1.000 30.27 ATOM 1528 CG TRP A 209 12.553 26.652 15.078 1.000 31.81 ATOM 1529 CD1 TRP A 209 12.747 27.933 15.523 1.000 31.15 ATOM 1530 NEI TRP A 209 12.755 26.652 15.078 1.000 31.11 ATOM 1530 NEI TRP A 209 12.757 27.933 15.523 1.000 31.15 ATOM 1531 CC2 TRP A 209 12.757 27.933 15.523 1.000 28.46 ATOM 1531 CC2 TRP A 209 12.757 27.933 15.523 1.000 31.15 ATOM 1530 NEI TRP A 209 12.757 27.933 15.523 1.000 31.15 ATOM 1531 CC2 TRP A 209 12.757 27.933 15.523 1.000 28.46 ATOM 1532 CC3 TRP A 209 10.845 28.700 14.356 1.000 28.45 ATOM 1533 CC3 TRP A 209 10.845 28.700 14.356 1.000 28.45 ATOM 1531 CC2 TRP A 209 10.845 28.700 14.356 1.000 28.46 ATOM 1534 CC3 TRP A 209 10.845 28.700 14.356 1.000 28.46 ATOM 1536 CC2 TRP A 209 10.845 28.700 14.356 1.000 28.46 ATOM 1537 C TRP A 209 16.19 27.575 15.000 1.000 25.86 ATOM 1530 CC3 TRP A 209 16.19 27.575 15.000 1.000 25.86 ATOM 1530 CC3 TRP A 209 16.519 27.575 15.000 1.000 25.86 ATOM 1530 CC3 TRP A 209 9.666 28.388 13.720 1.000 27.51 ATOM 1540 C A SPR A 211 17.066 29.720 19.366 1.000 30.33 ATOM 1551 C A SPR A 211 17.066 29.720 19.366 1.000 30.33 ATOM 1540 C A SPR A 211 17.066 29.720 19.366 1.000 30.35 ATOM 1540 C A SPR	ATOM	1510	0	TYR	Α	206	13.165	19.799	15.824	1.000	21.03
ATOM         1513         CB         THR         A         207         16.825         18.181         15.436         1.000         21.25           ATOM         1514         OGI         THR         A         207         16.034         16.975         15.913         1.000         24.55           ATOM         1516         C         THR         A         207         16.791         20.668         15.913         1.000         29.49           ATOM         1518         N         VAL         A         207         17.837         20.877         15.720         1.000         27.61           ATOM         1519         CA         VAL         A         208         16.366         21.501         14.140         1.000         24.45           ATOM         1521         CCB         VAL         A         208         17.216         22.662         13.859         1.000         23.35           ATOM         1522         CCB         VAL         A         208         17.216         22.662         13.859         1.000         23.56           ATOM         1522         CCB         VAL         A         208         17.216         22.387         11.368	ATOM	1511	N	THR	Α	207	14.855	19.255	14.458	1.000	20.95
ATOM         1513         CB         THR         A         207         16.825         18.181         15.436         1.000         21.25           ATOM         1514         OGI         THR         A         207         16.034         16.975         15.913         1.000         24.55           ATOM         1516         C         THR         A         207         16.791         20.668         15.913         1.000         29.49           ATOM         1518         N         VAL         A         207         17.837         20.877         15.720         1.000         27.61           ATOM         1519         CA         VAL         A         208         16.366         21.501         14.140         1.000         24.45           ATOM         1521         CCB         VAL         A         208         17.216         22.662         13.859         1.000         23.35           ATOM         1522         CCB         VAL         A         208         17.216         22.662         13.859         1.000         23.56           ATOM         1522         CCB         VAL         A         208         17.216         22.387         11.368	ATOM	1512	CA	THR	Α	207	15.937	19.446	15.406	1.000	25.39
ATOM 1514 OG1 THR A 207 16.034 16.975 15.913 1.000 24.55 ATOM 1515 CG2 THR A 207 16.034 16.975 15.913 1.000 20.79 ATOM 1516 C THR A 207 16.791 20.668 15.991 1.000 29.49 ATOM 1517 O THR A 207 17.837 20.877 15.720 1.000 27.61 ATOM 1518 N VAL A 208 17.883 20.877 15.720 1.000 27.61 ATOM 1519 CA VAL A 208 17.216 22.662 13.859 1.000 21.06 ATOM 1520 CGB VAL A 208 17.883 22.496 12.481 1.000 28.39 ATOM 1521 CG1 VAL A 208 18.791 21.272 12.532 1.000 23.56 ATOM 1522 CG2 VAL A 208 16.523 23.999 13.935 1.000 21.06 ATOM 1522 CG2 VAL A 208 16.523 23.999 13.935 1.000 21.06 ATOM 1524 C VAL A 208 16.523 23.999 13.935 1.000 21.06 ATOM 1525 N TRP A 209 15.559 24.144 11.665 1.000 26.72 ATOM 1525 N TRP A 209 15.559 24.144 11.665 1.000 30.27 ATOM 1527 CB TRP A 209 15.559 24.144 11.665 1.000 30.27 ATOM 1528 CG TRP A 209 12.553 26.661 15.322 1.000 28.47 ATOM 1528 CG TRP A 209 12.553 26.661 15.322 1.000 28.47 ATOM 1528 CG TRP A 209 12.553 26.661 15.322 1.000 28.47 ATOM 1528 CG TRP A 209 12.553 26.661 15.322 1.000 28.47 ATOM 1531 CE2 TRP A 209 11.725 28.752 15.093 1.000 21.15 ATOM 1531 CE2 TRP A 209 11.725 28.752 15.093 1.000 21.15 ATOM 1531 CE2 TRP A 209 11.331 26.678 14.356 1.000 27.55 ATOM 1532 CG2 TRP A 209 11.331 26.678 14.356 1.000 27.55 ATOM 1533 CE3 TRP A 209 11.331 26.678 14.355 1.000 27.55 ATOM 1535 CH2 TRP A 209 10.845 28.000 14.356 1.000 22.816 ATOM 1535 CH2 TRP A 209 10.611 25.704 13.629 1.000 22.86 ATOM 1535 CH2 TRP A 209 15.756 26.384 15.452 1.000 27.55 ATOM 1538 CG PRO A 210 17.933 28.369 15.787 1.000 25.68 ATOM 1534 CZ3 TRP A 209 15.756 26.384 15.452 1.000 27.55 ATOM 1534 CZ3 TRP A 209 15.756 26.384 15.452 1.000 27.55 ATOM 1535 CH2 TRP A 209 15.756 26.384 15.757 1.000 25.68 ATOM 1536 CH2 TRP A 209 15.756 26.384 15.757 1.000 25.68 ATOM 1537 C TRP A 209 15.756 26.384 15.757 1.000 25.68 ATOM 1537 C TRP A 209 15.756 26.384 15.757 1.000 25.68 ATOM 1536 CH2 TRP A 209 15.756 26.384 15.750 1.000 24.36 ATOM 1537 C TRP A 209 15.756 26.384 15.750 10.000 24.36 ATOM 1537 C TRP A 209 15.756 26.384 15.750 10.000 24.36 ATOM 1537 C TRP A	ATOM		СВ								
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ATOM 1558 ND1 HIS A 212 18.969 33.878 19.916 1.000 72.27			CG								
	ATOM										

ATOM	1560	NE2	HIS	Α	212	17.962	34.385	21.735 1.000 7	3.22
ATOM	1561	CD2	HIS	Α	212	17.056	34.563	20.718 1.000 7	1.91
MOTA	1562	С	HIS	Α	212	15.568	33.188		5.23
ATOM	1563	0			212	16.155	32.711		6.51
ATOM	1564	N			213	14.380	33.777		9.89
ATOM	1565	CA			213	13.712	33.934		5.59
ATOM	1566	C			213				
						13.306	32.607		0.76
ATOM	1567	0			213	13.230	31.604		9.83
ATOM	1568	N			214	13.073	32.661		6.99
ATOM	1569	CA			214	12.556	31.542	12.457 1.000 2	
ATOM	1570	CB			214	11.489	32.069		7.24
ATOM	1571	CG1			214	10.282	32.612	12.225 1.000 2	5.46
MOTA	1572	CG2	VAL	Α	214	12.081	33.158	10.585 1.000 3	2.07
ATOM	1573	С	VAL	Α	214	13.672	30.841	11.701 1.000 3	3.49
MOTA	1574	0	VAL	Α	214	14.782	31.393	11.653 1.000 4	1.50
MOTA	1575	N	PRO	Α	215	13.433	29.666	11.132 1.000 3	3.79
MOTA	1576	CA	PRO	Α	215	14.416	29.011	10.262 1.000 3	
ATOM	1577	СВ			215	13.625	27.863	9.628 1.000 2	
ATOM	1578	CG			215	12.646	27.518	10.693 1.000 2	
ATOM	1579	CD			215	12.228	28.835	11.297 1.000 2	
ATOM	1580	C			215	14.948	29.950		9.16
ATOM	1581	0			215	14.249	30.839	8.704 1.000 4	
ATOM	1582	N			216	16.215	29.755		
ATOM	1583				216				3.87
		CA				16.877	30.778		4.43
ATOM	1584	CB			216	18.392	30.715		2.43
ATOM	1585	CG			216	18.841	31.700		6.31
ATOM	1586	CD			216	20.119	32.423		3.80
ATOM	1587	OE1				20.015	33.454		0.56
ATOM	1588		GLU			21.208	31.946		3.46
MOTA	1589	С			216	16.531	30.688	6.522 1.000 40	0.23
ATOM	1590	0	GLU	Α	216	16.633	31.700	5.823 1.000 3	7.48
ATOM	1591	N	THR	Α	217	16.112	29.522	6.063 1.000 29	9.61
MOTA	1592	CA	THR	Α	217	15.492	29.314	4.778 1.000 32	2.71
ATOM	1593	CB	THR	Α	217	16.185	28.187	3.991 1.000 30	0.46
ATOM	1594	OG1	THR	Α	217	16.030	26.987	4.770 1.000 35	5.61
ATOM	1595	CG2	THR	Α	217	17.669	28.469		1.53
ATOM	1596	С	THR	Α	217	14.031	28.881		5.27
ATOM	1597	0	THR			13.686	28.153		.65
MOTA	1598	N	THR			13.176	29.290		. 97
ATOM	1599	CA	THR			11.842	28.692	3.901 1.000 22	
ATOM	1600	СВ	THR			10.987	29.433	2.861 1.000 20	
ATOM	1601	OG1	THR			11.671	29.423	1.600 1.000 24	
ATOM	1602	CG2	THR						
	1603					10.804	30.879	3.294 1.000 23	
ATOM		C	THR			11.951	27.225	3.518 1.000 28	
ATOM	1604	0	THR			11.142	26.377	3.905 1.000 32	
ATOM	1605	N	GLN			12.969	26.889	2.721 1.000 25	
ATOM	1606	CA	GLN			13.056	25.550	2.173 1.000 20	
ATOM	1607	CB	GLN			14.365	25.386	1.388 1.000 28	
ATOM	1608	CG	GLN			14.167	24.541	0.137 1.000 47	
ATOM	1609	CD	GLN			14.872	23.201	0.253 1.000 57	.11
MOTA	1610		GLN			14.297	22.182	-0.133 1.000 42	.74
MOTA	1611	NE2	GLN	A	219	16.096	23.246	0.779 1.000 56	.71

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ATOM	1612	С	GLN .				010	24.4			1.000	
MOTA	1613	0	GLN .	A	219		351	23.4			1.000	
ATOM	1614	N	SER .	A	220	13.	741	24.5		4.294	1.000	
ATOM	1615	CA	SER .	A	220	13.	846	23.6		-	1.000	
MOTA	1616	CB	SER .	A	220	14.	660	24.2	279	6.537	1.000	
MOTA	1617	OG	SER .	Α	220	14.	662	23.5	05	7.717	1.000	
ATOM	1618	С	SER .	Α	220	12.	463	23.2	180	5.946	1.000	20.04
ATOM	1619	0	SER .	Α	220	12.	135	22.0	196	5.958	1.000	27.37
MOTA	1620	N	LEU	Α	221	11.	711	24.2	97	6.378	1.000	21.52
ATOM	1621	CA	LEU .			10.	414	23.9	78	6.996	1.000	19.60
ATOM	1622	CB	LEU .			9.	875	25.1	.07	7.874	1.000	18.57
MOTA	1623	CG	LEU				762	24.6	39	8.827	1.000	20.88
ATOM	1624	CD1	LEU				333	23.6		9.830	1.000	24.60
ATOM	1625	CD2	LEU				061	25.7		9.537	1.000	16.09
ATOM	1626	C	LEU				436	23.5		5.914	1.000	
ATOM	1627	0	LEU				613	22.6		6.182	1.000	
ATOM	1628	N	ILE				507	24.1			1.000	
ATOM	1629	CA	ILE				594	23.6		3.661	1.000	
MOTA	1630	CB	ILE				782	24.4			1.000	
ATOM	1631	CG1	ILE				267	25.8		2.483	1.000	
	1632	CD1	ILE				545	26.6			1.000	
ATOM	1633	CG2	ILE				150	23.6			1.000	
ATOM			ILE				788	22.1			1.000	
ATOM	1634	С					832	21.3			1.000	
ATOM	1635	0	ILE					21.7			1.000	
ATOM	1636	N	GLN				049	20.2			1.000	
MOTA	1637	CA	GLN				361			2.866	1.000	
ATOM	1638	CB	GLN				867	20.0			1.000	
ATOM	1639	CG	GLN				297	18.6		2.510	1.000	
ATOM	1640	CD	GLN				.727	18.1				
ATOM	1641	OE1	GLN				311	18.9		0.325	1.000	
MOTA	1642	NE2	GLN				677	16.8		1.025	1.000	
ATOM	1643	C	GLN				921	19.3		4.245	1.000	
MOTA	1644	0	GLN				447	18.2		3.994	1.000	
MOTA	1645	N	PHE				.087	19.8		5.470	1.000	
MOTA	1646	CA	PHE				694	19.0		6.635	1.000	
ATOM	1647	CB	PHE				163	19.7		7.918	1.000	
MOTA	1648	CG	PHE				767	19.0		9.228	1.000	
MOTA	1649						211	17.7		9.547	1.000	
MOTA	1650		PHE				852	17.1		10.760		
MOTA	1651	CZ	PHE				.030			11.638		
MOTA	1652		PHE				568	19.1		11.351		
MOTA	1653		PHE				. 947	19.7		10.141		
ATOM	1654	С	PHE				172	18.8			1.000	
MOTA	1655	0	PHE	A	224	7.	. 689	17.7			1.000	
MOTA	1656	N	VAL			7.	464	20.0			1.000	
MOTA	1657	CA	VAL	A	225		. 992	19.9			1.000	
MOTA	1658	CB	VAL				419	21.4				
ATOM	1659	CG1	VAL				947	21.3			1.000	
MOTA	1660	CG2	VAL				626	22.1			1.000	
MOTA	1661	C	VAL	Α	225	5.	512	19.0			1.000	
MOTA	1662	0	VAL			4.	671	18.2			1.000	
MOTA	1663	N	ARG	A	226	6.	062	19.1	.92	4.088	1.000	19.58

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ATOM	1664	CA			226	5.619	18.308		1.000	
ATOM	1665	CB			226	6.285	18.775	1.705	1.000	
MOTA	1666	CG			226	5.686	20.090	1.204		21.90
MOTA	1667	CD			226	6.324	20.446	-0.145	1.000	
MOTA	1668	NE			226	5.564	21.504	-0.798	1.000	24.99
MOTA	1669	CZ			226	6.095	22.322	-1.697		40.94
MOTA	1670	NH1			226	7.381	22.153	-1.994	1.000	28.79
ATOM	1671	NH2			226	5.371	23.272	-2.281		30.57
ATOM	1672	С			226	5.923	16.848	3.263	1.000	17.75
ATOM	1673	0			226	5.172	15.933	2.955	1.000	19.58
ATOM	1674	N			227	7.055	16.531	3.881	1.000	19.90
ATOM	1675	CA			227	7.391	15.168	4.247	1.000	15.51
MOTA	1676	CB			227	8.835	15.143	4.821	1.000	
MOTA	1677	OG1			227	9.764	15.609	3.823	1.000	22.05
MOTA	1678	CG2			227	9.217	13.723			
ATOM	1679	С			227	6.413	14.588	5.271	1.000	15.49
MOTA	1680	0			227	5.919	13.477	5.141	1.000	19.20
ATOM	1681	N			228	6.109	15.318	6.325		16.11
ATOM	1682	CA			228	5.143	14.927	7.341		18.46
ATOM	1683	СВ			228	5.031	15.957	8.477		17.87
ATOM	1684	CG1	VAL			3.887	15.568	9.414	1.000	18.37
ATOM	1685		VAL			6.318	16.108	9.270		27.25
ATOM	1686	C			228	3.751	14.744	6.713	1.000	17.43
ATOM	1687	0	VAL			3.112	13.723	6.983	1.000	17.33
ATOM	1688	N	ARG			3.338	15.721	5.898	1.000	18.35
ATOM	1689	CA	ARG			2.003	15.683	5.292	1.000	20.21
ATOM	1690	CB	ARG			1.710	16.982	4.560	1.000	
ATOM	1691	CG	ARG			0.475	16.989	3.670	1.000	
ATOM	1692	CD	ARG			-0.750	16.409	4.384		19.41
ATOM	1693	NE	ARG			-1.031	17.165	5.615	1.000	19.35
ATOM	1694	CZ	ARG			-2.026	16.831	6.444	1.000	19.18
ATOM	1695		ARG			-2.773	15.784	6.097	1.000	19.75
ATOM	1696		ARG			-2.266	17.508	7.550		14.67
ATOM	1697	C	ARG			1.917	14.434	4.421	1.000	25.70
ATOM	1698	0	ARG			0.933	13.683	4.482	1.000	
ATOM	1699	N	ASP			2.949	14.152	3.627		23.44 26.19
ATOM	1700	CA	ASP		230	3.008	12.884	2.886	1.000	25.54
ATOM	1701 1702	CB CG			230	4.322 4.325	12.757	2.098 0.845	1.000	39.61
ATOM							13.611 14.111		1.000	
ATOM ATOM	1703 1704		ASP ASP			3.251 5.398	13.806		1.000	
	1704	C C	ASP			2.880	11.659		1.000	
ATOM ATOM	1706	0	ASP			2.146	10.713		1.000	
ATOM	1707	N	TYR			3.596	11.597		1.000	
ATOM	1708	CA	TYR			3.418	10.399		1.000	
ATOM	1709	CB	TYR			4.351	10.395		1.000	
ATOM	1710	CG	TYR			5.747	9.892		1.000	
ATOM	1711	CD1	TYR			5.992	8.543		1.000	
ATOM	1712	CE1	TYR			7.275	8.109		1.000	
ATOM	1713	CZ	TYR			8.331	8.999		1.000	
ATOM	1713	OH	TYR			9.604	8.546		1.000	
ATOM	1715		TYR			8.100	10.334		1.000	
771 01.1	1,10	كتاك	TIK	n	Z, J I	0.100	10.004	0.525	1.000	10.01

ATOM	1716	CD2	TYR	Α	231	6	.819	10.7	771		1.000	
ATOM	1717	С	TYR	Α	231	1	.994	10.3	314	6.274	1.000	26.15
MOTA	1718	0	TYR	Α	231	1	.372	9.2	255	6.320	1.000	30.72
ATOM	1719	N	ILE	Α	232	1	.503	11.4	167	6.729	1.000	22.90
MOTA	1720	CA	ILE				.167	11.4	152	7.319	1.000	24.42
ATOM	1721	СВ	ILE				.271	12.8	343		1.000	
ATOM	1722	CG1	ILE				.566	13.4		8.935		17.25
ATOM	1723	CD1	ILE				.205	14.8		9.204		22.29
	1724		ILE				.764	12.8			1.000	
ATOM	1725	C	ILE				.881	10.9			1.000	
MOTA			ILE				.758	10.1			1.000	
ATOM	1726	0	ASN				.764	11.4			1.000	
MOTA	1727	N					.751	11.1			1.000	
MOTA	1728	CA	ASN								1.000	
MOTA	1729	СВ	ASN				.549	12.1			1.000	
ATOM	1730	CG	ASN				.266	13.4				
MOTA	1731		ASN				.889	13.7			1.000	
MOTA	1732		ASN				.134	14.2		2.035		30.92
MOTA	1733	С	ASN				.671		730			41.91
MOTA	1734	0	ASN				.603		199		1.000	
ATOM	1735	N	ARG				.536		78		1.000	
ATOM	1736	CA	ARG				.326	7.8			1.000	
ATOM	1737	CB	ARG	Α	234		.109	7.7			1.000	
ATOM	1738	CG	ARG	Α	234	1	.343	8.8			1.000	
MOTA	1739	CD	ARG	Α	234	2	.117	8.4	152		1.000	
ATOM	1740	NE	ARG	Α	234	2	.532	9.6	553	-0.429	1.000	68.35
MOTA	1741	CZ	ARG	Α	234	3	.780	10.0	94	-0.506	1.000	67.12
ATOM	1742	NH1	ARG	Α	234	4	.774	9.4	150	0.100	1.000	63.01
ATOM	1743	NH2	ARG	Α	234	4	.041	11.1	192	-1.199	1.000	61.94
ATOM	1744	С	ARG	A	234	-0	.696	6.6	676	4.029	1.000	60.20
ATOM	1745	0	ARG	Α	234	-0	.601	5.4	191	3.730	1.000	87.41
ATOM	1746	N	SER			-1	.146	7.1	L42	5.194	1.000	44.81
ATOM	1747	CA			235	-1	.664	6.2	224	6.191	1.000	50.50
ATOM	1748	СВ			235		.332		720	7.596	1.000	40.08
ATOM	1749	OG			235		.550		165	8.201	1.000	64.20
ATOM	1750	C			235		.184		066	6.042	1.000	58.76
ATOM	1751	0			235		.835		996		1.000	
ATOM	1752	N			236		.665		905		1.000	
MOTA	1753	CA			236		.059		191		1.000	
ATOM	1754	CB			236		.065		010		1.000	
ATOM	1755	CG			236		.634		599		1.000	
ATOM	1756	CD			236		.898		351		1.000	
	1757	C			236		5.975		258		1.000	
ATOM					236		.033		742		1.000	
ATOM	1758	0							351		1.000	
ATOM	1759	N			237		5.535		108		1.000	
MOTA	1760	CA			237		297		580	10.552		
ATOM	1761	C			237		.292					
MOTA	1762	0			237		.274		394	10.681		
ATOM	1763	N	ALA				.566		589	11.229		
ATOM	1764	CA			238		.552		203	12.150		
MOTA	1765	СВ	ALA				3.434		354	11.328		
MOTA	1766	C			238				174	13.195		
MOTA	1767	0	ALA	A	238	- 4	.242	9.5	571	14.033	1.000	31.36

ATOM	1768	N	GLY	Α	239	-6.349	9.552	13.199		
MOTA	1769	CA	$\operatorname{GLY}$	Α	239	-6.845	10.375	14.310		
MOTA	1770	С	GLY	Α	239	-6.120	11.715	14.312	1.000	20.85
ATOM	1771	0	GLY	Α	239	-5.394	11.963	13.335		
MOTA	1772	N	PRO	Α	240	-6.258	12.599	15.276	1.000	28.46
MOTA	1773	CA	PRO	Α	240	-5.589	13.905	15.105	1.000	23.74
MOTA	1774	CB	PRO	Α	240	-6.004	14.716	16.315	1.000	31.69
MOTA	1775	CG	PRO			-7.078	13.958	16.996	1.000	36.41
ATOM	1776	CD	PRO			-6.964	12.527	16.559		
ATOM	1777	C	PRO			-4.072	13.702	15.099		
ATOM	1778	0	PRO			-3.538	12.739	15.647	1.000	
MOTA	1779	N	THR			-3.404	14.642	14.458	1.000	
ATOM	1780	CA	THR			-1.954	14.695	14.504	1.000	
ATOM	1781	CB	THR			-1.388	15.324	13.206		
ATOM	1782	OG1	THR			-1.782	14.534	12.091		
ATOM	1783	CG2	THR			0.130	15.352	13.322		
ATOM	1784	C	THR			-1.547	15.547	15.690		
ATOM	1785	0	THR			-2.027	16.671	15.783		
MOTA	1786	N	VAL			-0.710	15.081	16.604		
ATOM	1787	CA	VAL			-0.276	15.964	17.707		
ATOM	1788	CB	VAL			0.120	15.076	18.909		
ATOM	1789	CG1				0.983	15.784	19.937		
ATOM	1790	CG2	VAL			-1.132	14.525	19.592		
ATOM	1791	C	VAL			0.896	16.806	17.253		
ATOM	1792	0	VAL			1.838	16.295	16.614		
MOTA	1793	N	VAL			0.877	18.091	17.577		
ATOM	1794	CA	VAL			1.995	18.961	17.231		
ATOM	1795	CB	VAL			1.707	19.938	16.086		
ATOM	1796		VAL			2.970	20.692	15.648		
ATOM	1797		VAL			1.120	19.216	14.869		
ATOM	1798	C	VAL			2.377	19.709	18.502		
ATOM	1799	Ö	VAL			1.559	20.250	19.248		
MOTA	1800	N	HIS			3.686	19.752	18.781		
ATOM	1801	CA	HIS			4.097	20.519	19.951		
ATOM	1802	СВ	HIS			4.022	19.648	21.202		15.84
ATOM	1803	CG	HIS			5.142	18.657	21.367		
ATOM	1804	ND1	HIS			6.351	19.001	21.955	1.000	
MOTA	1805	CE1	HIS			7.130	17.936	21.988	1.000	17.38
ATOM	1806		HIS			6.471	16.897	21.474	1.000	16.96
MOTA	1807		HIS			5.226	17.346	21.099	1.000	12.72
ATOM	1808	С	HIS			5.511	21.073	19.792	1.000	15.92
ATOM	1809	0	HIS			6.302	20.556	18.999	1.000	15.50
ATOM	1810	N	CYS			5.762	22.123	20.572	1.000	19.65
ATOM	1811	CA	CYS			7.129	22.659	20.697	1.000	23.91
MOTA	1812	CB	CYS			7.258	24.015	19.998		21.22
ATOM	1813	SG	CYS			5.939	25.207	20.299		27.54
ATOM	1814	C	CYS			7.436	22.703	22.181		
ATOM	1815	0	CYS			7.226	21.699	22.894		
ATOM	1816	N	SER			7.888	23.809	22.751	1.000	19.84
ATOM	1817	CA	SER			7.969	23.838	24.223	1.000	16.95
ATOM	1818	СВ	SER			9.152	24.728	24.635	1.000	22.80
MOTA	1819	OG	SER			9.277	24.846	26.034	1.000	23.37

MOTA	1820	С	SER	A	246	6.660	24.303	24.834	1.000	18.58
MOTA	1821	0	SER	A	246	6.097	23.705	25.756	1.000	23.44
MOTA	1822	N	ALA	Α	247	6.105	25.428	24.344	1.000	21.38
MOTA	1823	CA	ALA	A	247	4.834	25.878	24.909	1.000	26.84
MOTA	1824	CB	ALA .	Α	247	4.815	27.397	25.044	1.000	30.94
ATOM	1825	С	ALA .			3.627	25.429	24.082		18.61
MOTA	1826	0	ALA .			2.500	25.492	24.563		23.09
ATOM	1827	N	GLY .			3.876	24.984	22.867		20.85
ATOM	1828	CA	GLY .			2.846	24.579	21.933		24.45
ATOM	1829	C	GLY .			2.113	25.731	21.278		30.38
ATOM	1830	0	GLY .			0.928	25.550	20.948		32.96
ATOM	1831	N	VAL .			2.794	26.852	21.091		21.75
ATOM	1832	CA	VAL			2.214	28.061	20.510		
ATOM	1833	CB	VAL .				29.257			
						2.293		21.504		
MOTA	1834	CG1				1.266	29.099	22.616		
MOTA	1835	CG2	VAL			3.654	29.410	22.145		
ATOM	1836	C	VAL			2.839	28.525	19.210		
ATOM	1837	0	VAL			2.200	28.508	18.151		26.47
ATOM	1838	N	GLY Z			4.064	29.056	19.197		24.61
ATOM	1839	CA	GLY A			4.490	29.816	18.032		16.91
MOTA	1840	C	GLY A			4.953	28.914	16.917		21.72
ATOM	1841	0	GLY A			4.438	28.910	15.787		20.15
ATOM	1842	N	ARG 2			5.967	28.114	17.253		19.78
ATOM	1843	CA	ARG A			6.512	27.182	16.284		
MOTA	1844	CB	ARG 2	A :	251	7.717	26.381	16.767	1.000	26.04
ATOM	1845	CG	ARG A	<i>A</i> :	251	8.878	27.181	17.346	1.000	34.41
MOTA	1846	CD	ARG A	<i>F</i>	251	10.132	26.322	17.479	1.000	26.22
MOTA	1847	NE	ARG A	<i>A</i> :	251	11.199	27.043	18.161	1.000	30.53
MOTA	1848	CZ	ARG A	A .	251	12.191	26.523	18.874	1.000	32.54
ATOM	1849	NH1	ARG A	A 2	251	12.297	25.212	19.033	1.000	22.98
MOTA	1850	NH2	ARG A	A 2	251	13.080	27.349	19.428	1.000	27.69
ATOM	1851	С	ARG A	A 2	251	5.417	26.194	15.829	1.000	22.23
ATOM	1852	0	ARG A	A 2	251	5.358	25.859	14.651	1.000	15.33
ATOM	1853	N	THR A	A 2	252	4.631	25.769	16.810	1.000	19.69
ATOM	1854	CA	THR A	A 2	252	3.579	24.773	16.547		20.16
ATOM	1855	СВ	THR A			2.960	24.322	17.888	1.000	
ATOM	1856	OG1	THR A			3.926	23.485	18.569	1.000	
ATOM	1857	CG2	THR A			1.709	23.474	17.699		17.40
ATOM	1858	С	THR A			2.554	25.401	15.618		18.08
ATOM	1859	0	THR A			2.136	24.800	14.632		
ATOM	1860	N	GLY A			2.134	26.639	15.924		17.29
ATOM	1861	CA	GLY A			1.142	27.297	15.074		14.74
ATOM	1862	C	GLY F			1.662	27.585	13.675		23.43
ATOM	1863	Ö	GLY F			0.946	27.483	12.672		14.99
ATOM	1864	N	THR F			2.940		13.575		18.08
ATOM	1865	CA	THR F			3.601	28.145	12.289		17.61
ATOM	1866	CB	THR F							
			THR F			5.014	28.741	12.533		16.64
ATOM	1867	OG1 CG2				4.873	29.982	13.251		20.15
ATOM	1868		THR A			5.694	29.043	11.221		17.02
ATOM	1869	С	THR A			3.643	26.845	11.511		16.81
ATOM	1870	0	THR A			3.355	26.769	10.313		
MOTA	1871	N	PHE A	2	200	3.981	25.701	12.162	1.000	17.85

ATOM 1872 CA PHE A 255											
ATOM 1874 CG PHE A 255	ATOM	1872	CA	PHE	Α	255	3.963	24.414	11.477	1.000	13.47
ATOM	MOTA	1873	CB	PHE	Α	255	4.343	23.241	12.408	1.000	13.89
ATOM 1875 CD1 PHE A 255 5.240 21.372 10.954 1.000 12.62 ATOM 1876 CE1 PHE A 255 5.203 20.153 10.292 1.000 16.48 ATOM 1877 CZ PHE A 255 5.203 20.153 10.292 1.000 16.48 ATOM 1878 CE2 PHE A 255 4.042 19.390 10.390 1.000 17.68 ATOM 1878 CE2 PHE A 255 3.012 19.881 11.182 1.000 13.26 ATOM 1880 C PHE A 255 3.081 21.9881 11.182 1.000 16.37 ATOM 1880 C PHE A 255 2.554 24.154 10.899 1.000 10.19 ATOM 1881 O PHE A 255 2.554 24.154 10.899 1.000 10.19 ATOM 1883 CA ILE A 256 1.557 24.332 11.785 1.000 12.90 ATOM 1883 CA ILE A 256 0.188 23.972 11.333 1.000 13.95 ATOM 1884 CB ILE A 256 0.0779 23.954 12.523 1.000 13.95 ATOM 1886 CD1 ILE A 256 0.0779 23.954 12.523 1.000 13.95 ATOM 1886 CD1 ILE A 256 0.0779 23.954 12.523 1.000 13.95 ATOM 1887 CG2 ILE A 256 0.0779 23.954 12.523 1.000 12.94 ATOM 1888 C ILE A 256 0.0822 24.432 9.205 1.000 19.48 ATOM 1889 O ILE A 256 0.0822 24.432 9.205 1.000 19.86 ATOM 1889 O ILE A 256 0.0822 24.432 9.205 1.000 16.82 ATOM 1890 N ALA A 257 0.075 26.179 10.375 1.000 15.60 ATOM 1891 CA ALA A 257 0.075 26.179 10.375 1.000 15.60 ATOM 1892 CB ALA A 257 0.075 26.179 10.375 1.000 17.01 ATOM 1894 O ALA A 257 0.048 9.330 1.000 13.05 ATOM 1895 N LEU A 258 1.461 26.519 8.059 1.000 17.01 ATOM 1895 N LEU A 258 1.461 26.519 8.059 1.000 17.01 ATOM 1896 CA LEU A 258 3.654 26.013 7.044 1.000 17.08 ATOM 1897 CB LEU A 258 3.654 26.013 7.044 1.000 17.08 ATOM 1898 CG LEU A 258 3.654 26.013 7.044 1.000 17.08 ATOM 1890 CD LEU A 258 4.507 25.868 6.223 1.000 17.55 ATOM 1900 CD LEU A 258 3.654 26.013 7.044 1.000 17.08 ATOM 1900 CD LEU A 258 3.654 26.013 7.044 1.000 17.08 ATOM 1901 C LEU A 258 3.654 26.013 7.044 1.000 17.08 ATOM 1903 N ASP A 259 0.754 22.835 6.248 1.000 17.58 ATOM 1901 C ASP A 259 0.754 22.835 6.868 1.000 18.92 ATOM 1903 N ASP A 259 0.754 22.835 6.248 1.000 17.58 ATOM 1903 C ASP A 259 0.754 22.836 6.248 1.000 13.81 ATOM 1903 C ASP A 259 0.754 22.836 6.248 1.000 13.81 ATOM 1904 CA ASP A 259 0.754 22.836 6.248 1.000 13.81 ATOM 1905 C ASP A 259 0.754 22.836 6.248 1.000 13.91 ATOM 1908 C ASP A 259 0.754 22.836 6.457	МОТА	1874	CG				4.219	21.881	11.732	1.000	14.73
ATOM 1876 CE1 PHE A 255									10.954	1.000	12.62
ATOM 1878 CE2 PHE A 255											
ATOM 1878 CE2 PHE A 255											
ATOM 1880 C PHE A 255											
ATOM 1880 C PHE A 255											
ATOM 1881 O PHE A 255	ATOM	1879	CD2								
ATOM 1882 N ILE A 256	MOTA	1880	С	PHE	Α	255		24.154			
ATOM 1883 CA ILE A 256	MOTA	1881	0	PHE	Α	255	2.385	23.771			
ATOM 1884 CB ILE A 256	ATOM	1882	N	ILE	Α	256	1.557	24.332	11.785	1.000	12.97
ATOM 1884 CB ILE A 256			CA	ILE	Α	256	0.188	23.972	11.333	1.000	13.95
ATOM 1885 CG1 ILE A 256									12.523	1.000	13.52
ATOM 1886 CD1 ILE A 256											
ATOM 1887 CG2 ILE A 256											
ATOM 1888 C ILE A 256											
ATOM 1889 O ILE A 256											
ATOM 1890 N ALA A 257											
ATOM 1891 CA ALA A 257											
ATOM 1892 CB ALA A 257	ATOM		N								
ATOM 1893 C ALA A 257	MOTA	1891	CA	ALA	A	257	-0.526	27.108			
ATOM 1894 O ALA A 257	MOTA	1892	CB	ALA	A	257	-0.232	28.522	9.818	1.000	18.20
ATOM 1895 N LEU A 258	ATOM	1893	С	ALA	A	257	0.148	26.789	8.011	1.000	17.01
ATOM 1895 N LEU A 258		1894	0	ALA	A	257	-0.446	26.751	6.923	1.000	16.67
ATOM 1896 CA LEU A 258			N					26.519	8.059	1.000	17.25
ATOM 1897 CB LEU A 258 3.654 26.013 7.044 1.000 17.08 ATOM 1898 CG LEU A 258 4.507 25.868 5.780 1.000 20.80 ATOM 1899 CD1 LEU A 258 4.222 27.003 4.793 1.000 15.05 ATOM 1900 CD2 LEU A 258 5.992 25.859 6.121 1.000 18.82 ATOM 1901 C LEU A 258 1.622 24.850 6.248 1.000 18.92 ATOM 1902 O LEU A 258 1.448 24.706 5.036 1.000 18.97 ATOM 1903 N ASP A 259 1.363 23.837 7.090 1.000 16.07 ATOM 1904 CA ASP A 259 0.754 22.618 6.578 1.000 10.97 ATOM 1905 CB ASP A 259 0.551 21.650 7.742 1.000 13.81 ATOM 1906 CG ASP A 259 0.551 21.650 7.742 1.000 13.81 ATOM 1907 OD1 ASP A 259 0.282 19.727 6.307 1.000 16.06 ATOM 1908 OD2 ASP A 259 0.282 19.727 6.307 1.000 16.06 ATOM 1909 C ASP A 259 -0.800 19.817 8.233 1.000 19.09 ATOM 1910 O ASP A 259 -0.574 22.893 5.858 1.000 13.42 ATOM 1910 O ASP A 259 -0.574 22.386 4.764 1.000 18.06 ATOM 1911 N ARG A 260 -1.456 23.673 6.457 1.000 15.30 ATOM 1913 CB ARG A 260 -2.741 24.034 5.845 1.000 17.67 ATOM 1913 CB ARG A 260 -3.567 24.849 6.842 1.000 15.30 ATOM 1914 CG ARG A 260 -3.567 24.849 6.842 1.000 14.27 ATOM 1915 CD ARG A 260 -3.567 24.849 6.842 1.000 17.67 ATOM 1915 CD ARG A 260 -3.567 24.849 6.842 1.000 17.67 ATOM 1915 CD ARG A 260 -4.923 24.884 8.885 1.000 20.83 ATOM 1916 NE ARG A 260 -7.185 25.786 8.663 1.000 27.40 ATOM 1917 CZ ARG A 260 -7.185 25.786 8.663 1.000 27.40 ATOM 1918 NH1 ARG A 260 -7.185 25.786 8.663 1.000 40.82 ATOM 1918 NH2 ARG A 260 -7.185 25.786 8.663 1.000 39.48 ATOM 1918 NH2 ARG A 260 -7.082 26.236 9.907 1.000 36.06 ATOM 1919 NH2 ARG A 260 -8.288 25.988 7.962 1.000 39.48 ATOM 1920 C ARG A 260 -8.288 25.988 7.962 1.000 39.48 ATOM 1920 C ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1921 O ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1921 O ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1922 N ILE A 261 -1.618 25.791 4.553 1.000 16.11											
ATOM 1898 CG LEU A 258											
ATOM 1899 CD1 LEU A 258											
ATOM 1900 CD2 LEU A 258 5.992 25.859 6.121 1.000 18.82 ATOM 1901 C LEU A 258 1.622 24.850 6.248 1.000 18.92 ATOM 1902 O LEU A 258 1.448 24.706 5.036 1.000 18.97 ATOM 1903 N ASP A 259 1.363 23.837 7.090 1.000 16.07 ATOM 1904 CA ASP A 259 0.754 22.618 6.578 1.000 10.97 ATOM 1905 CB ASP A 259 0.551 21.650 7.742 1.000 13.81 ATOM 1906 CG ASP A 259 0.551 21.650 7.742 1.000 13.81 ATOM 1907 OD1 ASP A 259 0.282 19.727 6.307 1.000 16.06 ATOM 1908 OD2 ASP A 259 0.282 19.727 6.307 1.000 16.06 ATOM 1909 C ASP A 259 -0.800 19.817 8.233 1.000 19.09 ATOM 1910 O ASP A 259 -0.574 22.893 5.858 1.000 13.42 ATOM 1911 N ARG A 260 -1.456 23.673 6.457 1.000 15.30 ATOM 1912 CA ARG A 260 -2.741 24.034 5.845 1.000 17.67 ATOM 1913 CB ARG A 260 -3.567 24.849 6.842 1.000 17.67 ATOM 1914 CG ARG A 260 -3.567 24.849 6.842 1.000 17.67 ATOM 1915 CD ARG A 260 -4.923 24.884 8.885 1.000 27.40 ATOM 1916 NE ARG A 260 -4.923 24.884 8.885 1.000 27.40 ATOM 1917 CZ ARG A 260 -7.185 25.786 8.663 1.000 27.40 ATOM 1918 NH1 ARG A 260 -7.185 25.786 8.663 1.000 40.82 ATOM 1918 NH1 ARG A 260 -7.082 26.236 9.907 1.000 36.06 ATOM 1918 NH1 ARG A 260 -7.082 26.236 9.907 1.000 39.48 ATOM 1918 NH1 ARG A 260 -7.082 26.236 9.907 1.000 39.48 ATOM 1920 C ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1921 O ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1921 O ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1922 N ILE A 261 -1.618 25.791 4.553 1.000 16.11											
ATOM 1901 C LEU A 258											
ATOM 1902 O LEU A 258											
ATOM 1903 N ASP A 259 1.363 23.837 7.090 1.000 16.07 ATOM 1904 CA ASP A 259 0.754 22.618 6.578 1.000 10.97 ATOM 1905 CB ASP A 259 0.551 21.650 7.742 1.000 13.81 ATOM 1906 CG ASP A 259 0.282 19.727 6.307 1.000 16.06 ATOM 1908 OD2 ASP A 259 0.282 19.727 6.307 1.000 16.06 ATOM 1909 C ASP A 259 -0.800 19.817 8.233 1.000 19.09 ATOM 1910 O ASP A 259 -0.574 22.893 5.858 1.000 13.42 ATOM 1911 N ARG A 260 -1.456 23.673 6.457 1.000 15.30 ATOM 1912 CA ARG A 260 -2.741 24.034 5.845 1.000 17.67 ATOM 1913 CB ARG A 260 -3.567 24.849 6.842 1.000 17.67 ATOM 1915 CD ARG A 260 -4.923 24.884 8.885 1.000 12.81 ATOM 1916 NE ARG A 260 -4.923 24.884 8.885 1.000 20.83 ATOM 1917 CZ ARG A 260 -7.185 25.786 8.663 1.000 27.40 ATOM 1918 NH1 ARG A 260 -7.082 26.236 9.907 1.000 36.06 ATOM 1919 NH2 ARG A 260 -7.082 26.236 9.907 1.000 39.48 ATOM 1920 C ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1920 C ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1921 O ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1921 O ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1921 O ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1921 O ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1921 O ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1922 N ILE A 261 -1.618 25.791 4.553 1.000 16.11											
ATOM 1904 CA ASP A 259 0.754 22.618 6.578 1.000 10.97 ATOM 1905 CB ASP A 259 0.551 21.650 7.742 1.000 13.81 ATOM 1906 CG ASP A 259 -0.025 20.310 7.371 1.000 17.58 ATOM 1907 OD1 ASP A 259 0.282 19.727 6.307 1.000 16.06 ATOM 1908 OD2 ASP A 259 -0.800 19.817 8.233 1.000 19.09 ATOM 1909 C ASP A 259 -0.574 22.893 5.858 1.000 13.42 ATOM 1910 O ASP A 259 -0.784 22.386 4.764 1.000 18.06 ATOM 1911 N ARG A 260 -1.456 23.673 6.457 1.000 15.30 ATOM 1912 CA ARG A 260 -2.741 24.034 5.845 1.000 17.67 ATOM 1913 CB ARG A 260 -3.567 24.849 6.842 1.000 14.27 ATOM 1914 CG ARG A 260 -3.567 24.849 6.842 1.000 14.27 ATOM 1915 CD ARG A 260 -4.923 24.884 8.885 1.000 20.83 ATOM 1916 NE ARG A 260 -6.158 25.124 8.125 1.000 27.40 ATOM 1917 CZ ARG A 260 -7.185 25.786 8.663 1.000 27.40 ATOM 1918 NH1 ARG A 260 -7.082 26.236 9.907 1.000 36.06 ATOM 1919 NH2 ARG A 260 -8.288 25.988 7.962 1.000 39.48 ATOM 1920 C ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1921 O ARG A 260 -3.148 24.535 3.519 1.000 17.22 ATOM 1921 O ARG A 260 -3.148 24.535 3.519 1.000 17.22 ATOM 1922 N ILE A 261 -1.618 25.791 4.553 1.000 16.11											
ATOM 1905 CB ASP A 259 0.551 21.650 7.742 1.000 13.81 ATOM 1906 CG ASP A 259 -0.025 20.310 7.371 1.000 17.58 ATOM 1907 OD1 ASP A 259 0.282 19.727 6.307 1.000 16.06 ATOM 1908 OD2 ASP A 259 -0.800 19.817 8.233 1.000 19.09 ATOM 1910 O ASP A 259 -0.574 22.893 5.858 1.000 13.42 ATOM 1910 O ASP A 259 -0.784 22.386 4.764 1.000 18.06 ATOM 1911 N ARG A 260 -1.456 23.673 6.457 1.000 15.30 ATOM 1912 CA ARG A 260 -2.741 24.034 5.845 1.000 17.67 ATOM 1913 CB ARG A 260 -3.567 24.849 6.842 1.000 14.27 ATOM 1914 CG ARG A 260 -3.970 24.009 8.067 1.000 12.81 ATOM 1915 CD ARG A 260 -4.923 24.884 8.885 1.000 20.83 ATOM 1916 NE ARG A 260 -6.158 25.124 8.125 1.000 27.40 ATOM 1917 CZ ARG A 260 -7.185 25.786 8.663 1.000 27.40 ATOM 1918 NH1 ARG A 260 -7.082 26.236 9.907 1.000 36.06 ATOM 1919 NH2 ARG A 260 -8.288 25.988 7.962 1.000 39.48 ATOM 1920 C ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1921 O ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1921 O ARG A 260 -3.148 24.535 3.519 1.000 17.22 ATOM 1922 N ILE A 261 -1.618 25.791 4.553 1.000 16.11	MOTA	1903	N								
ATOM 1906 CG ASP A 259	MOTA	1904	CA	ASP	A	259	0.754	22.618			
ATOM 1907 OD1 ASP A 259	ATOM	1905	CB	ASP	Α	259	0.551	21.650	7.742	1.000	13.81
ATOM 1908 OD2 ASP A 259 -0.800 19.817 8.233 1.000 19.09 ATOM 1909 C ASP A 259 -0.574 22.893 5.858 1.000 13.42 ATOM 1910 O ASP A 259 -0.784 22.386 4.764 1.000 18.06 ATOM 1911 N ARG A 260 -1.456 23.673 6.457 1.000 15.30 ATOM 1912 CA ARG A 260 -2.741 24.034 5.845 1.000 17.67 ATOM 1913 CB ARG A 260 -3.567 24.849 6.842 1.000 14.27 ATOM 1914 CG ARG A 260 -3.567 24.849 6.842 1.000 14.27 ATOM 1915 CD ARG A 260 -3.970 24.009 8.067 1.000 12.81 ATOM 1916 NE ARG A 260 -4.923 24.884 8.885 1.000 20.83 ATOM 1916 NE ARG A 260 -6.158 25.124 8.125 1.000 27.40 ATOM 1917 CZ ARG A 260 -7.185 25.786 8.663 1.000 40.82 ATOM 1918 NH1 ARG A 260 -7.082 26.236 9.907 1.000 36.06 ATOM 1919 NH2 ARG A 260 -8.288 25.988 7.962 1.000 39.48 ATOM 1920 C ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1921 O ARG A 260 -3.148 24.535 3.519 1.000 17.22 ATOM 1922 N ILE A 261 -1.618 25.791 4.553 1.000 16.11	MOTA	1906	CG	ASP	Α	259	-0.025	20.310	7.371	1.000	17.58
ATOM 1909 C ASP A 259 -0.574 22.893 5.858 1.000 13.42 ATOM 1910 O ASP A 259 -0.784 22.386 4.764 1.000 18.06 ATOM 1911 N ARG A 260 -1.456 23.673 6.457 1.000 15.30 ATOM 1912 CA ARG A 260 -2.741 24.034 5.845 1.000 17.67 ATOM 1913 CB ARG A 260 -3.567 24.849 6.842 1.000 14.27 ATOM 1914 CG ARG A 260 -3.970 24.009 8.067 1.000 12.81 ATOM 1915 CD ARG A 260 -4.923 24.884 8.885 1.000 20.83 ATOM 1916 NE ARG A 260 -6.158 25.124 8.125 1.000 27.40 ATOM 1917 CZ ARG A 260 -7.185 25.786 8.663 1.000 40.82 ATOM 1918 NH1 ARG A 260 -7.082 26.236 9.907 1.000 36.06 ATOM 1919 NH2 ARG A 260 -8.288 25.988 7.962 1.000 39.48 ATOM 1920 C ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1921 O ARG A 260 -3.148 24.535 3.519 1.000 17.22 ATOM 1922 N ILE A 261 -1.618 25.791 4.553 1.000 16.11	MOTA	1907	OD1	ASP	A	259	0.282	19.727	6.307	1.000	16.06
ATOM 1909 C ASP A 259 -0.574 22.893 5.858 1.000 13.42 ATOM 1910 O ASP A 259 -0.784 22.386 4.764 1.000 18.06 ATOM 1911 N ARG A 260 -1.456 23.673 6.457 1.000 15.30 ATOM 1912 CA ARG A 260 -2.741 24.034 5.845 1.000 17.67 ATOM 1913 CB ARG A 260 -3.567 24.849 6.842 1.000 14.27 ATOM 1914 CG ARG A 260 -3.970 24.009 8.067 1.000 12.81 ATOM 1915 CD ARG A 260 -4.923 24.884 8.885 1.000 20.83 ATOM 1916 NE ARG A 260 -6.158 25.124 8.125 1.000 27.40 ATOM 1917 CZ ARG A 260 -7.185 25.786 8.663 1.000 40.82 ATOM 1918 NH1 ARG A 260 -7.082 26.236 9.907 1.000 36.06 ATOM 1919 NH2 ARG A 260 -8.288 25.988 7.962 1.000 39.48 ATOM 1920 C ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1921 O ARG A 260 -3.148 24.535 3.519 1.000 17.22 ATOM 1922 N ILE A 261 -1.618 25.791 4.553 1.000 16.11	ATOM	1908	OD2	ASP	Α	259	-0.800	19.817	8.233	1.000	19.09
ATOM 1910 O ASP A 259 -0.784 22.386 4.764 1.000 18.06 ATOM 1911 N ARG A 260 -1.456 23.673 6.457 1.000 15.30 ATOM 1912 CA ARG A 260 -2.741 24.034 5.845 1.000 17.67 ATOM 1913 CB ARG A 260 -3.567 24.849 6.842 1.000 14.27 ATOM 1914 CG ARG A 260 -3.970 24.009 8.067 1.000 12.81 ATOM 1915 CD ARG A 260 -4.923 24.884 8.885 1.000 20.83 ATOM 1916 NE ARG A 260 -6.158 25.124 8.125 1.000 27.40 ATOM 1917 CZ ARG A 260 -7.185 25.786 8.663 1.000 40.82 ATOM 1918 NH1 ARG A 260 -7.082 26.236 9.907 1.000 36.06 ATOM 1919 NH2 ARG A 260 -8.288 25.988 7.962 1.000 39.48 ATOM 1920 C ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1921 O ARG A 260 -3.148 24.535 3.519 1.000 17.22 ATOM 1922 N ILE A 261 -1.618 25.791 4.553 1.000 16.11	ATOM	1909	С	ASP	Α	259	-0.574	22.893	5.858	1.000	13.42
ATOM 1911 N ARG A 260 -1.456 23.673 6.457 1.000 15.30 ATOM 1912 CA ARG A 260 -2.741 24.034 5.845 1.000 17.67 ATOM 1913 CB ARG A 260 -3.567 24.849 6.842 1.000 14.27 ATOM 1914 CG ARG A 260 -3.970 24.009 8.067 1.000 12.81 ATOM 1915 CD ARG A 260 -4.923 24.884 8.885 1.000 20.83 ATOM 1916 NE ARG A 260 -6.158 25.124 8.125 1.000 27.40 ATOM 1917 CZ ARG A 260 -7.185 25.786 8.663 1.000 40.82 ATOM 1918 NH1 ARG A 260 -7.082 26.236 9.907 1.000 36.06 ATOM 1919 NH2 ARG A 260 -8.288 25.988 7.962 1.000 39.48 ATOM 1920 C ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1921 O ARG A 260 -3.148 24.535 3.519 1.000 17.22 ATOM 1922 N ILE A 261 -1.618 25.791 4.553 1.000 16.11		1910	0					22.386	4.764	1.000	18.06
ATOM 1912 CA ARG A 260 -2.741 24.034 5.845 1.000 17.67 ATOM 1913 CB ARG A 260 -3.567 24.849 6.842 1.000 14.27 ATOM 1914 CG ARG A 260 -3.970 24.009 8.067 1.000 12.81 ATOM 1915 CD ARG A 260 -4.923 24.884 8.885 1.000 20.83 ATOM 1916 NE ARG A 260 -6.158 25.124 8.125 1.000 27.40 ATOM 1917 CZ ARG A 260 -7.185 25.786 8.663 1.000 40.82 ATOM 1918 NH1 ARG A 260 -7.082 26.236 9.907 1.000 36.06 ATOM 1919 NH2 ARG A 260 -8.288 25.988 7.962 1.000 39.48 ATOM 1920 C ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1921 O ARG A 260 -3.148 24.535 3.519 1.000 17.22 ATOM 1922 N ILE A 261 -1.618 25.791 4.553 1.000 16.11											
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ATOM 1914 CG ARG A 260 -3.970 24.009 8.067 1.000 12.81 ATOM 1915 CD ARG A 260 -4.923 24.884 8.885 1.000 20.83 ATOM 1916 NE ARG A 260 -6.158 25.124 8.125 1.000 27.40 ATOM 1917 CZ ARG A 260 -7.185 25.786 8.663 1.000 40.82 ATOM 1918 NH1 ARG A 260 -7.082 26.236 9.907 1.000 36.06 ATOM 1919 NH2 ARG A 260 -8.288 25.988 7.962 1.000 39.48 ATOM 1920 C ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1921 O ARG A 260 -3.148 24.535 3.519 1.000 17.22 ATOM 1922 N ILE A 261 -1.618 25.791 4.553 1.000 16.11											
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ATOM 1919 NH2 ARG A 260 -8.288 25.988 7.962 1.000 39.48 ATOM 1920 C ARG A 260 -2.523 24.808 4.549 1.000 19.93 ATOM 1921 O ARG A 260 -3.148 24.535 3.519 1.000 17.22 ATOM 1922 N ILE A 261 -1.618 25.791 4.553 1.000 16.11											
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ATOM 1921 O ARG A 260 -3.148 24.535 3.519 1.000 17.22 ATOM 1922 N ILE A 261 -1.618 25.791 4.553 1.000 16.11	ATOM										
ATOM 1922 N ILE A 261 -1.618 25.791 4.553 1.000 16.11	MOTA	1920	С								
	ATOM	1921	0	ARG	Α	260	-3.148				
	MOTA	1922	N	ILE	Α	261	-1.618	25.791			
	ATOM	1923	CA	ILE	Α	261	-1.516	26.628	3.338	1.000	17.32

							07.004	2 615	1 000	01 03
ATOM	1924	CB	ILE			-0.841			1.000	
MOTA	1925	CG1	ILE	Α	261	0.658	27.969	3.875		27.34
ATOM	1926	CD1	ILE	Α	261	1.186	29.227	4.546	1.000	
ATOM	1927	CG2	ILE	Α	261	-1.581	28.703	4.758	1.000	18.92
ATOM	1928	С	ILE	Α	261	-0.851	25.876	2.216	1.000	20.48
ATOM	1929	0	ILE			-1.226	26.009	1.034	1.000	22.32
ATOM	1930	N	LEU			0.143		2.509	1.000	16.93
ATOM	1931	CA	LEU			0.737				17.22
ATOM	1932	CB	LEU			1.975		1.820		16.74
	1933	CG	LEU			3.194		2.240		20.68
ATOM						4.319		2.693		18.57
ATOM	1934	CD1				3.634		1.085		18.30
MOTA	1935	CD2							1.000	
ATOM	1936	С	LEU			-0.280				
ATOM	1937	0	LEU			-0.261		-0.436		
ATOM	1938	N	GLN			-1.139			1.000	
MOTA	1939	CA	GLN			-2.241			1.000	
MOTA	1940	CB	GLN	Α	263	-3.050			1.000	
ATOM	1941	CG	GLN	Α	263	-2.289	20.167		1.000	
MOTA	1942	CD	GLN	Α	263	-3.138	19.572		1.000	
MOTA	1943	OE1	GLN	Α	263	-3.928	18.638	3.850	1.000	20.81
ATOM	1944	NE2	GLN	Α	263	-2.956	20.185	5.176	1.000	17.87
ATOM	1945	С	GLN			-3.138	22.833	0.183	1.000	13.70
ATOM	1946	Ō	GLN			-3.554		-0.904	1.000	24.55
ATOM	1947	N	GLN			-3.444			1.000	
ATOM	1948	CA	GLN			-4.260		-0.217		22.95
	1949	CB	GLN			-4.553		0.485		26.53
MOTA			GLN			-5.586		1.595		29.68
ATOM	1950	CG								32.15
ATOM	1951	CD	GLN			-5.638		1.781		29.91
ATOM	1952	OE1	GLN			-5.197				
ATOM	1953	NE2	GLN			-6.154		3.550		38.37
MOTA	1954	C	GLN			-3.583		-1.559		
MOTA	1955	0	GLN			-4.225		-2.610		
MOTA	1956	N	LEU			-2.293		-1.552		
ATOM	1957	CA	LEU	Α	265	-1.536		-2.771		
ATOM	1958	CB	LEU	Α	265	-0.067	26.053	-2.420		
ATOM	1959	CG	LEU	Α	265	0.195	27.420	-1.807		29.98
ATOM	1960	CD1	LEU	Α	265	1.682	27.725	-1.734		26.97
MOTA	1961	CD2	LEU	Α	265	-0.519	28.505	-2.613		
ATOM	1962	С	LEU	Α	265	-1.541		-3.735		
MOTA	1963	0	LEU	Α	265	-1.324	24.723	-4.947	1.000	22.58
ATOM	1964	N	ASP			-1.767				
ATOM	1965	CA	ASP			-1.801			1.000	16.52
ATOM	1966	СВ	ASP			-1.173		-3.509		
ATOM	1967	CG	ASP			0.336		-3.334		
			ASP			0.957		-3.836		
ATOM	1968		ASP			0.899		-2.658		
ATOM	1969							-4.570		
ATOM	1970	C	ASP			-3.227		-5.337		
ATOM	1971	0	ASP			3.354				
MOTA	1972	N	SER			-4.231		-4.092		
ATOM	1973	CA	SER			-5.619		-4.359		
ATOM	1974	CB	SER			-6.289		-3.019		
MOTA	1975	OG	SER	A	267	-6.418	3 20.374	-2.892	1.000	34./5

ATOM	1976	С	SER	Α	267	-6.	419	23.	235	-!	5.033	1.000	19.22
MOTA	1977	0	SER	Α	267	-7.	300	22.	941	-!	5.859	1.000	20.89
ATOM	1978	N	LYS	A	268	-6.	137	24.	463		4.684	1.000	21.22
ATOM	1979	CA	LYS	Α	268	-6.	907	25.	624	- !	5.091	1.000	30.13
MOTA	1980	CB	LYS				595	26.	250	- (	3.869	1.000	24.53
ATOM	1981	CG	LYS				563		304	-:	3.175	1.000	30.56
ATOM	1982	CD	LYS				969		910		1.838		28.63
MOTA	1983	CE	LYS			-10.			834		1.992		
ATOM	1984	NZ	LYS			-10.			208			1.000	
ATOM	1985	C	LYS				095		737		5.735		30.67
ATOM	1986	0	LYS				872		833		5.660		
	1987	N	ASP				834		650		6.387		
ATOM		CA	ASP				096		750		7.019		24.51
ATOM	1988		ASP				616		978		3.444	1.000	
MOTA	1989	CB					072		337		3.608		32.33
ATOM	1990	CG	ASP								7.660		26.79
ATOM	1991		ASP				854		152				
MOTA	1992		ASP				465		822		9.701		
ATOM	1993	C	ASP				126		000		6.165	1.000	
ATOM	1994	0	ASP				857		124		6.623		25.20
MOTA	1995	N	SER				434		846		4.867	1.000	
ATOM	1996	CA	SER				204		978		3.973		22.27
MOTA	1997	CB	SER				455		809		3.722		
MOTA	1998	OG	SER				466		045		3.109		
ATOM	1999	С	SER				632		493			1.000	
ATOM	2000	0	SER				828		315		2.334		
MOTA	2001	N	VAL				000		394		1.910	1.000	
ATOM	2002	CA	VAL				413		067		0.596		
ATOM	2003	CB	VAL				876		020		0.706		
ATOM	2004	CG1					305		413			1.000	
MOTA	2005		VAL				233		370		0.514	1.000	
MOTA	2006	С	VAL				845		054		0.464	1.000	
MOTA	2007	0	VAL				012		251		0.241		
MOTA	2008	N	ASP				046		547		1.689		
MOTA	2009	CA	ASP				591		427		2.728	1.000	
MOTA	2010	CB	ASP				070		095		2.910	1.000	
ATOM	2011	CG	ASP				813		991		3.869	1.000	
MOTA	2012		ASP				274		038		4.288	1.000	
MOTA	2013		ASP				973		599		4.175	1.000	
ATOM	2014	С	ASP				807		259			1.000	
MOTA	2015	0	ASP				200		536			1.000	
ATOM	2016	N	ILE				661		934			1.000	
MOTA	2017	CA	ILE				806		829			1.000	
MOTA	2018	CB	ILE	A	273		436		465			1.000	
MOTA	2019	CG1	ILE	A	273				812		3.755		
MOTA	2020		ILE				498		584			1.000	
MOTA	2021	CG2	ILE	А	273		532		454			1.000	
MOTA	2022	C	ILE				472		457			1.000	
MOTA	2023	0	ILE				470		853			1.000	
MOTA	2024	N	TYR				038		646			1.000	
MOTA	2025	CA	TYR				765		332			1.000	
MOTA	2026	CB	TYR				414		646			1.000	
MOTA	2027	CG	TYR	A	274	-6.	110	37.	456	•	7.937	1.000	24.88

ATOM	2028	CD1	TYR	Α	274	-7.4		37.236	8.347	1.000	
MOTA	2029	CE1	TYR	Α	274	-8.0	40 3	37.979	9.328	1.000	24.84
MOTA	2030	CZ	TYR	Α	274	-7.3	46 3	39.009	9.937	1.000	24.82
MOTA	2031	OH	TYR	Α	274	-7.9	79 3	39.740	10.919	1.000	31.02
ATOM	2032	CE2	TYR	Α	274	-6.0	40 3	39.266	9.571	1.000	24.34
ATOM	2033	CD2	TYR			-5.4	35 3	38.503	8.582	1.000	21.36
MOTA	2034	С	TYR	Α	274	-5.8		34.413	7.922	1.000	22.02
ATOM	2035	0	TYR			-5.9		34.308	9.150	1.000	23.59
ATOM	2036	N	GLY			-6.6		33.818			19.06
ATOM	2037	CA	GLY			-7.7		32.997	7.563	1.000	18.44
ATOM	2038	C	GLY			-7.2		31.755	8.284	1.000	
MOTA	2039	0	GLY			-7.7		31.310	9.278	1.000	
ATOM	2040	N	ALA			-6.1		31.168	7.823	1.000	
ATOM	2041	CA	ALA			-5.5		30.008	8.560	1.000	
ATOM	2041	CB	ALA			-4.4		29.371		1.000	
ATOM	2042	С	ALA			-5.0		30.429		1.000	
ATOM	2043	0	ALA			-5.3		29.770	10.938	1.000	
ATOM	2044	N	VAL			-4.3		31.569	10.019		
ATOM	2045	CA	VAL			-3.9		31.978	11.353	1.000	
	2040	CB			277	-2.8		33.079	11.246		
ATOM ATOM	2047		VAL			-2.4		33.553	12.631		
ATOM	2048		VAL			-1.6		32.548	10.467		
	2049	C	VAL			-5.0		32.426	12.205		
ATOM ATOM	2050	0	VAL			-5.1		32.420	13.390		18.55
	2051	N	HIS			-6.0		33.156	11.644		18.91
ATOM	2052	CA	HIS			-7.2		33.470	12.314		
MOTA	2054	CB	HIS			-8.2		34.063	11.303		
ATOM	2055	CG			278	-9.5		34.540	12.036		
ATOM ATOM	2056		HIS			-10.6		33.756	12.252		
		CE1				-11.5		34.445	12.232		
ATOM ATOM	2057 2058		HIS			-11.0		35.656	13.150		
ATOM	2059		HIS			-9.8		35.745	12.602		
	2060	CDZ			278	-7.9		32.254	12.971		19.90
MOTA	2061	0	HIS			-8.2		32.244	14.165		
ATOM					279	-8.1		31.202	12.180		
ATOM	2062	N C7	ASP			-8.7		30.004	12.711	1.000	
ATOM	2063	CA CB			279	-8.9		29.015	11.565	1.000	
ATOM	2064 2065	CG	ASP			-10.1		29.571	10.669		50.27
ATOM	2065		ASP			-10.7		30.592	11.074		
ATOM	2067		ASP			-10.3		28.989	9.582		
MOTA			ASP			-7.9		29.352	13.811		
ATOM	2068 2069	С			279	-8.4		28.905	14.806		
MOTA		O N			280	-6.5		29.300	13.681		
ATOM	2070	N Cn				-5.7		28.736	14.760		
ATOM	2071	CA			280			28.672	14.339		
MOTA	2072	CB	LEU			-4.30 -3.9		27.877	13.066		
ATOM	2073	CG	LEU					27.860	12.743		
MOTA	2074		LEU			-2.5			13.134		
ATOM	2075		LEU			-4.5		26.448	16.041		
ATOM	2076	С	LEU			-5.9		29.541	17.142		
ATOM	2077	0	LEU			-6.0 -5.9		28.991	17.142		
ATOM	2078	N	ARG					30.867			
MOTA	2079	CA	AKG	A	281	-6.0	4 Q 7	31.750	17.064	1.000	20.00

MOTA	2080	CB	ARG	Α	281	-5.937	33.220	16.611		
MOTA	2081	CG	ARG	A	281	-4.518	33.577	16.185	1.000	21.03
ATOM	2082	CD	ARG	Α	281	-3.551	33.775	17.350	1.000	20.13
ATOM	2083	NE	ARG	Α	281	-2.333	34.410	16.826	1.000	22.94
MOTA	2084	CZ	ARG			-2.155	35.711	16.631	1.000	25.63
ATOM	2085		ARG			-3.096	36.606	16.909	1.000	26.26
ATOM	2086		ARG			-0.990	36.116	16.136		24.35
MOTA	2087	C	ARG			-7.348	31.512	17.810		18.17
ATOM	2088	0	ARG			<b>-</b> 7.399	31.612	19.040		16.51
ATOM	2089	N	LEU			-8.411	31.197	17.055		14.33
	2099	CA	LEU			-9.670	30.904	17.725		19.27
MOTA			LEU			-10.750	30.565	16.690		19.77
ATOM	2091	CB								29.93
MOTA	2092	CG	LEU			-11.369	31.764	15.966		
MOTA	2093		LEU			-12.445	31.274	15.006		21.91
ATOM	2094		LEU			-11.916	32.785	16.951		25.11
ATOM	2095	С	LEU			-9.567	29.715	18.673		
MOTA	2096	0	LEU			-10.343	29.644	19.622		
ATOM	2097	N	HIS			-8.652	28.771			13.25
ATOM	2098	CA	HIS			-8.655	27.556	19.262		15.14
MOTA	2099	CB	HIS	Α	283	-8.585	26.315	18.339		17.23
ATOM	2100	CG	HIS	Α	283	-9.761	26.332	17.393	1.000	
ATOM	2101	ND1	HIS	Α	283	-10.931	25.651	17.625		31.88
ATOM	2102	CE1	HIS	Α	283	-11.785	25.866	16.626		
ATOM	2103	NE2	HIS	A	283	-11.210	26.665	15.743	1.000	22.21
ATOM	2104	CD2	HIS	A	283	-9.959	26.969	16.216	1.000	21.15
ATOM	2105	С	HIS	A	283	-7.541	27.484	20.301	1.000	17.70
ATOM	2106	0	HIS			-7.668	26.724	21.286	1.000	18.21
MOTA	2107	N	ARG			-6.460	28.254	20.155	1.000	18.34
ATOM	2108	CA	ARG			-5.462	28.288	21.252		17.74
ATOM	2109	СВ	ARG			-4.494	27.114	21.172		19.63
ATOM	2110	CG	ARG			-3.445	26.954	22.275	1.000	18.29
ATOM	2111	CD	ARG			-2.651	25.656	22.082		
ATOM	2112	NE	ARG			-1.458	25.545	22.957		15.01
ATOM	2113	CZ	ARG			-1.489	25.046	24.189		14.81
ATOM	2114		ARG			-2.637	24.611	24.697		14.36
ATOM	2115		ARG			-0.419	24.947	24.977		17.97
ATOM	2116	C	ARG			-4.746	29.631	21.220		19.40
	2117	0	ARG			-4.570	30.222	20.158		18.68
ATOM		N	VAL			-4.370 -4.331	30.137	22.382		
ATOM	2118 2119		VAL			-3.577		22.467		
MOTA								23.942		
ATOM	2120	CB	VAL			-3.329	31.773	24.584		
ATOM	2121		VAL			-2.329	30.829			
MOTA	2122		VAL			-2.811	33.203	24.085		
MOTA	2123	C	VAL			-2.259	31.298	21.714		
ATOM	2124	0	VAL			-1.641	30.232	21.618		
ATOM	2125	N	HIS			-1.814	32.423	21.166		
MOTA	2126	CA	HIS			-0.537	32.572	20.510		
ATOM	2127	CB	HIS			0.610	32.334	21.518		
MOTA	2128	CG	HIS			0.534	33.321	22.640		
ATOM	2129		HIS			0.673	32.943	23.966		
MOTA	2130	CE1	HIS	Α	286	0.544	34.024	24.711		
ATOM	2131	NE2	HIS	A	286	0.333	35.065	23.927	1.000	32.36

MOTA	2132	CD2	HIS				0.312	34.647	22.624		
MOTA	2133	С	HIS	Α	286	-1	0.272	31.626	19.358	1.000	
MOTA	2134	0	HIS	Α	286	(	0.915	31.389	19.095	1.000	
ATOM	2135	N	MET	Α	287	-	1.298	31.074	18.700	1.000	20.51
ATOM	2136	CA	MET	Α	287	-:	1.005	30.215	17.540		17.32
MOTA	2137	СВ	MET	Α	287	-:	2.248	29.446	17.099	1.000	15.20
MOTA	2138	CG	MET	Α	287	-:	2.726	28.475	18.174	1.000	18.71
ATOM	2139	SD			287	-	1.588	27.070	18.339	1.000	23.88
ATOM	2140	CE			287		2.087	26.118	16.902	1.000	40.45
ATOM	2141	C			287		0.449	31.093	16.419		19.40
ATOM	2142	0			287		1.200	31.865	15.805	1.000	
ATOM	2143	N	VAL				0.842	30.986	16.169		
ATOM	2144	CA	VAL				1.568	31.941	15.322	1.000	
MOTA	2145	CB	VAL				0.926	32.326	13.986		17.14
ATOM	2146	CG1	VAL				1.879	33.209	13.183	1.000	
ATOM	2147		VAL				0.607	31.099	13.159		
	2148	C	VAL				1.718	33.186	16.211		
ATOM	2149	0	VAL				0.851	34.046	16.243		
ATOM	2149	N			289		2.824	33.161	16.945	1.000	
ATOM	2151	CA	GLN				3.003	34.056	18.091		
MOTA	2151	CB			289		3.839	33.286	19.112		
MOTA	2152	CG			289		4.041	33.984	20.443		
ATOM	2153	CD	GLN				4.639	33.050	21.469		24.02
ATOM	2155	OE1	GLN				5.224	32.012	21.115		
ATOM ATOM	2156		GLN				4.479	33.454	22.716		30.58
ATOM	2150	C			289		3.664	35.376	17.751		
ATOM	2158	0	GLN				3.430	36.375	18.436		
ATOM	2159	N			290		4.492	35.409	16.717	1.000	
ATOM	2160	CA	THR				5.169	36.667	16.419		
ATOM	2161	CB			290		6.682	36.492	16.619	1.000	
ATOM	2162	OG1	THR				7.133	35.616	15.579		
ATOM	2163	CG2	THR				7.012	35.803	17.932		
MOTA	2164	C	THR				4.964	37.120	14.984		35.97
ATOM	2165	0	THR				4.668	36.327	14.090	1.000	
ATOM	2166	N	GLU				5.148	38.416	14.746		
ATOM	2167	CA	GLU				5.038	38.965	13.403		
ATOM	2168	CB	GLU				5.285	40.473	13.478		
ATOM	2169	CG	GLU				5.073	41.210	12.184		39.81
ATOM	2170	CD	GLU				4.812	42.699	12.387		39.37
MOTA	2171		GLU					43.418	11.371		
ATOM	2172		GLU				4.556	43.148	13.519		
ATOM	2173	C	GLU				6.029	38.283	12.484		
ATOM	2174	0	GLU				5.824	37.994	11.304		
ATOM	2175	N	CYS				7.200	37.987	13.054		
ATOM	2176	CA	CYS				8.230	37.313	12.255		
ATOM	2177	CB	CYS				9.434	37.106	13.178		
MOTA	2178	SG	CYS				0.875	36.380	12.364		
ATOM	2179	C	CYS				7.777	35.977	11.679		
ATOM	2180	0	CYS				8.056	35.544	10.549		
ATOM	2181	N	GLN				7.024	35.250	12.515		
ATOM	2182	CA	GLN				6.425	33.998	12.069		
ATOM	2183	CB	GLN				5.779	33.269	13.256		
WI OU	2100	CL	CILLY	7.7		•					• •

ATOM 2185 CD GLN A 293												
ATOM   2186   OEL   GLN   A 293   5.282   32.450   1.000   18.69	ATOM	2184	CG	GLN	Α	293	6	.783	32.437	14.036	1.000	20.24
ATOM 2188 C GLN A 293 5.400 34.266 10.967 1.000 25.13 ATOM 2188 C GLN A 293 5.400 34.266 10.967 1.000 17.64 ATOM 2189 O GLN A 293 5.398 33.582 9.954 1.000 20.18 ATOM 2190 N TYR A 294 4.522 35.253 11.178 1.000 20.42 ATOM 2191 CA TYR A 294 3.526 35.600 10.153 1.000 19.65 ATOM 2192 CB TYR A 294 1.392 36.980 9.943 1.000 21.07 ATOM 2193 CG TYR A 294 1.392 36.980 9.943 1.000 21.07 ATOM 2194 CD1 TYR A 294 1.392 36.980 9.943 1.000 21.07 ATOM 2195 CE1 TYR A 294 1.392 36.980 9.943 1.000 21.07 ATOM 2196 CZ TYR A 294 -0.978 37.374 8.547 1.000 34.68 ATOM 2197 OH TYR A 294 -0.978 37.374 8.547 1.000 23.02 ATOM 2198 CE2 TYR A 294 -0.047 38.385 8.622 1.000 26.61 ATOM 2199 CD2 TYR A 294 1.129 38.197 9.316 1.000 23.20 ATOM 2199 CD2 TYR A 294 1.129 38.197 9.316 1.000 23.20 ATOM 2199 CD2 TYR A 294 1.129 38.197 9.316 1.000 23.87 ATOM 2201 O TYR A 294 3.860 35.493 7.737 1.000 23.97 ATOM 2202 N VAL A 295 5.254 36.744 8.919 1.000 25.60 ATOM 2203 CA VAL A 295 5.254 36.744 8.919 1.000 26.06 ATOM 2204 CB VAL A 295 6.665 37.085 7.762 1.000 26.06 ATOM 2205 CG1 VAL A 295 6.665 37.085 7.762 1.000 22.22 ATOM 2206 CG2 VAL A 295 6.668 39.400 8.553 1.000 22.22 ATOM 2207 C VAL A 295 6.668 39.400 8.553 1.000 22.52 ATOM 2208 O VAL A 295 6.668 39.400 8.553 1.000 22.52 ATOM 2207 C VAL A 295 6.668 39.400 8.553 1.000 22.52 ATOM 2207 C VAL A 295 6.668 39.400 8.553 1.000 22.52 ATOM 2208 O VAL A 295 6.668 39.400 8.553 1.000 22.02 ATOM 2201 CA TYR A 296 7.233 34.941 7.888 1.000 20.01 ATOM 2210 CA TYR A 296 7.233 34.941 7.888 1.000 20.01 ATOM 2211 CB TYR A 296 7.233 34.941 7.888 1.000 20.01 ATOM 2212 CG TYR A 296 9.099 31.652 8.140 1.000 20.01 ATOM 2213 CD TYR A 296 8.000 32.338 8.661 1.000 21.75 ATOM 2210 CC TYR A 296 9.099 31.652 8.140 1.000 20.01 ATOM 2211 CB TYR A 296 9.099 31.652 8.140 1.000 20.01 ATOM 2212 CG TYR A 296 9.099 31.652 8.140 1.000 20.01 ATOM 2212 CG TYR A 296 9.099 31.652 8.140 1.000 20.01 ATOM 2213 CD TYR A 296 8.570 30.384 8.389 1.000 22.53 ATOM 2220 C TYR A 296 9.263 29.241 8.048 1.000 21.75 ATOM 2221 CB TYR A 296 9.263 32.935 6.546 1.0	ATOM	2185	CD	GLN	Α	293	6	.355	32.071	15.433	1.000	17.59
ATOM         2187         NE2         GLN         A         293         5.400         31.336         16.150         1.000         25.14           ATOM         2188         C         GLN         A         293         5.490         31.3582         9.954         1.000         20.18           ATOM         2190         N         TYR         A         294         4.522         35.263         11.178         1.000         20.42           ATOM         2191         CA         TYR         A         294         4.522         35.600         10.153         1.000         19.06           ATOM         2193         CG         TYR         A         294         1.392         36.980         9.943         1.000         21.00           ATOM         2194         CDI         TYR         A         294         -0.747         36.155         9.158         1.000         25.08           ATOM         2195         CE2         TYR         A         294         -0.978         37.374         8.547         1.000         23.02           ATOM         2197         CH         TYR         A         294         -0.978         37.355         9.561	ATOM	2186	OE1	GLN	Α	293	5	.282	32.450	15.901	1.000	18.69
ATOM 2189 C GLN A 293 5.400 34.266 10.967 1.000 17.64 ATOM 2190 N TYR A 294 4.522 35.253 11.178 1.000 20.12 ATOM 2191 CA TYR A 294 3.526 35.600 10.153 1.000 19.65 ATOM 2192 CB TYR A 294 3.526 35.600 10.153 1.000 19.65 ATOM 2193 CG TYR A 294 1.392 36.980 9.943 1.000 21.07 ATOM 2194 CD1 TYR A 294 0.438 35.966 9.843 1.000 19.90 ATOM 2195 CE1 TYR A 294 0.438 35.966 9.843 1.000 21.07 ATOM 2196 CZ TYR A 294 0.438 35.966 9.843 1.000 25.08 ATOM 2197 CT TYR A 294 0.438 35.966 9.843 1.000 25.08 ATOM 2198 CZ TYR A 294 0.477 36.555 9.158 1.000 26.60 ATOM 2198 CZ TYR A 294 0.047 38.355 9.625 1.000 23.20 ATOM 2198 CZ TYR A 294 0.047 38.355 9.625 1.000 23.20 ATOM 2198 CZ TYR A 294 0.047 38.355 9.625 1.000 23.20 ATOM 2199 CD2 TYR A 294 1.129 38.197 9.316 1.000 23.82 ATOM 2200 C TYR A 294 4.202 35.931 8.834 1.000 24.14 ATOM 2201 O TYR A 294 3.860 35.493 7.737 1.000 23.07 ATOM 2202 N VAL A 295 5.254 36.744 8.919 1.000 25.60 ATOM 2203 CA VAL A 295 5.254 36.744 8.919 1.000 25.60 ATOM 2204 CB VAL A 295 5.254 36.744 8.919 1.000 25.08 ATOM 2205 CG1 VAL A 295 6.668 37.085 7.762 1.000 20.22 ATOM 2206 CG2 VAL A 295 6.668 39.09 8.161 1.000 22.22 ATOM 2207 C VAL A 295 6.668 39.000 8.553 1.000 22.25 ATOM 2208 O VAL A 295 6.668 39.00 8.553 1.000 22.25 ATOM 2207 C VAL A 295 6.668 39.00 8.553 1.000 22.25 ATOM 2208 O VAL A 295 6.668 39.400 8.553 1.000 22.01 ATOM 2201 CA TYR A 296 7.233 34.91 7.888 1.000 20.10 ATOM 2211 CB TYR A 296 7.739 33.698 7.451 1.000 20.01 ATOM 2212 CG TYR A 296 7.739 33.698 7.451 1.000 20.01 ATOM 2212 CG TYR A 296 9.099 31.652 8.140 1.000 20.02 ATOM 2213 CD1 TYR A 296 7.739 33.698 7.451 1.000 20.01 ATOM 2213 CD1 TYR A 296 7.739 33.698 7.451 1.000 20.01 ATOM 2213 CD1 TYR A 296 7.739 33.698 7.451 1.000 20.01 ATOM 2214 CE1 TYR A 296 7.739 33.698 7.356 1.000 21.14 ATOM 2215 CZ TYR A 296 8.307 32.873 8.528 1.000 20.10 ATOM 2212 CG TYR A 296 8.307 32.873 8.528 1.000 20.10 ATOM 2213 CD1 TYR A 296 9.099 31.652 8.140 1.000 20.01 ATOM 2223 CD TYR A 296 9.099 31.652 8.140 1.000 20.01 ATOM 2224 CE TYR A 296 9.095 33.000 30.44 8.300	ATOM	2187	NE2	GLN	Α	293	7	.203	31.336			
ATOM         2189         O         GLN         A         293         5.398         33.582         9.954         1.000         20.12           ATOM         2191         CA         TYR         A         294         4.522         35.253         11.178         1.000         20.42           ATOM         2192         CB         TYR         A         294         2.680         36.788         10.698         1.000         19.00           ATOM         2193         CG         TYR         A         294         1.392         36.980         9.943         1.000         21.07           ATOM         2195         CEI         TYR         A         294         -0.747         36.155         9.158         1.000         25.08           ATOM         2196         CZ         TYR         A         294         -0.747         36.155         9.158         1.000         23.20           ATOM         2199         CCZ         TYR         A         294         -0.047         38.385         8.622         1.000         23.20           ATOM         2209         CC         TYR         A         294         1.020         33.35         8.634         1.0		2188	С	GLN	Α	293						
ATOM 2190 N TYR A 294												
ATOM 2191 CA TYR A 294												
ATOM 2193 CB TYR A 294												
ATOM 2193 CG TYR A 294												
ATOM 2194 CD1 TYR A 294												
ATOM 2195 CE1 TYR A 294												
ATOM 2196 CZ TYR A 294												
ATOM 2198 CE2 TYR A 294												
ATOM 2198 CE2 TYR A 294												
ATOM 2200 C TYR A 294 4.202 35.931 8.834 1.000 23.82 ATOM 2201 O TYR A 294 4.202 35.931 8.834 1.000 24.14 ATOM 2202 N VAL A 295 5.254 36.744 8.919 1.000 25.60 ATOM 2203 CA VAL A 295 5.254 36.744 8.919 1.000 25.60 ATOM 2203 CA VAL A 295 7.222 38.039 8.161 1.000 22.22 ATOM 2205 CG1 VAL A 295 7.222 38.039 8.161 1.000 22.22 ATOM 2205 CG2 VAL A 295 6.668 39.400 8.553 1.000 22.52 ATOM 2207 C VAL A 295 6.668 39.400 8.553 1.000 22.52 ATOM 2207 C VAL A 295 6.668 39.400 8.553 1.000 22.52 ATOM 2208 O VAL A 295 6.668 39.400 8.553 1.000 22.00 ATOM 2209 N TYR A 296 6.682 35.637 5.897 1.000 23.07 ATOM 2209 N TYR A 296 7.233 34.941 7.888 1.000 29.06 ATOM 2211 CB TYR A 296 7.779 33.698 7.342 1.000 20.10 ATOM 2212 CG TYR A 296 9.099 31.652 8.140 1.000 22.62 ATOM 2212 CG TYR A 296 9.099 31.652 8.140 1.000 22.62 ATOM 2213 CD1 TYR A 296 10.343 31.723 7.536 1.000 22.62 ATOM 2213 CD1 TYR A 296 10.343 31.723 7.536 1.000 22.62 ATOM 2213 CD1 TYR A 296 10.343 31.723 7.536 1.000 22.62 ATOM 2213 CD1 TYR A 296 10.500 29.338 7.451 1.000 30.65 ATOM 2216 CH TYR A 296 10.500 29.338 7.451 1.000 30.65 ATOM 2216 CH TYR A 296 10.500 29.338 7.451 1.000 25.95 ATOM 2217 CE2 TYR A 296 10.500 29.338 7.451 1.000 25.95 ATOM 2219 C TYR A 296 8.570 30.384 8.389 1.000 25.95 ATOM 2219 C TYR A 296 8.570 30.384 8.389 1.000 22.93 ATOM 2219 C TYR A 296 8.570 30.384 8.389 1.000 22.93 ATOM 2219 C TYR A 296 6.802 32.832 6.546 1.000 19.59 ATOM 2220 C TYR A 296 8.570 30.384 8.389 1.000 22.93 ATOM 2220 C TYR A 296 7.163 32.193 5.540 1.000 17.75 ATOM 2222 CA LEU A 297 4.501 32.003 6.276 1.000 17.75 ATOM 2222 CA LEU A 297 4.501 32.003 6.276 1.000 17.79 ATOM 2222 CA LEU A 297 3.186 31.985 7.052 1.000 17.79 ATOM 2222 CA LEU A 297 3.295 31.495 9.235 1.000 17.79 ATOM 2222 CA LEU A 297 3.295 31.495 9.235 1.000 17.79 ATOM 2224 CG LEU A 297 4.501 32.003 6.276 1.000 17.99 ATOM 2222 CA LEU A 297 4.501 32.003 6.276 1.000 17.99 ATOM 2222 CA LEU A 297 4.501 32.003 6.276 1.000 17.96 ATOM 2223 CB HIS A 298 4.256 33.978 4.931 1.000 22.58 ATOM 2230 CA HIS A 298 3.950 36.157 3.901 1.000												
ATOM 2200 C TYR A 294 4.202 35.931 8.834 1.000 24.14 ATOM 2201 O TYR A 294 3.860 35.493 7.737 1.000 23.97 ATOM 2202 N VAL A 295 5.254 36.744 8.919 1.000 25.60 ATOM 2203 CA VAL A 295 6.065 37.085 7.762 1.000 26.06 ATOM 2204 CB VAL A 295 7.222 38.039 8.161 1.000 22.22 ATOM 2205 CG1 VAL A 295 8.189 38.107 6.995 1.000 24.48 ATOM 2206 CG2 VAL A 295 6.668 39.400 8.553 1.000 22.52 ATOM 2207 C VAL A 295 6.668 39.400 8.553 7.011 1.000 20.01 ATOM 2208 O VAL A 295 6.668 35.853 7.111 1.000 20.01 ATOM 2209 N TYR A 296 7.233 34.941 7.888 1.000 29.06 ATOM 2210 CA TYR A 296 7.273 34.941 7.888 1.000 29.06 ATOM 2211 CB TYR A 296 8.307 32.873 8.528 1.000 20.10 ATOM 2212 CG TYR A 296 9.099 31.652 8.140 1.000 22.62 ATOM 2213 CD1 TYR A 296 10.343 31.723 7.536 1.000 24.18 ATOM 2214 CE1 TYR A 296 10.500 29.338 7.451 1.000 24.78 ATOM 2215 CZ TYR A 296 10.500 29.338 7.451 1.000 25.95 ATOM 2217 CE2 TYR A 296 10.500 29.338 7.451 1.000 25.95 ATOM 2217 CE2 TYR A 296 8.570 30.384 8.389 1.000 22.93 ATOM 2218 CD2 TYR A 296 8.570 30.384 8.389 1.000 22.93 ATOM 2219 C TYR A 296 8.570 30.384 8.389 1.000 22.93 ATOM 2210 CA TYR A 296 8.570 30.384 8.389 1.000 22.93 ATOM 2212 CG TYR A 296 6.802 32.832 6.546 1.000 21.75 ATOM 2212 CG TYR A 296 8.570 30.384 8.389 1.000 22.93 ATOM 2213 CD1 TYR A 296 6.802 32.832 6.546 1.000 21.75 ATOM 2220 C TYR A 296 8.570 30.384 8.389 1.000 22.93 ATOM 2212 C TYR A 296 6.802 32.832 6.546 1.000 17.75 ATOM 2221 N LEU A 297 3.269 32.932 6.546 1.000 17.75 ATOM 2222 CA LEU A 297 3.266 32.932 6.546 1.000 17.75 ATOM 2222 CA LEU A 297 3.266 32.935 1.000 17.75 ATOM 2222 CA LEU A 297 3.266 33.978 8.011 1.000 22.48 ATOM 2223 CB LEU A 297 3.266 33.978 4.931 1.000 22.58 ATOM 2223 CB LEU A 297 3.299 29.668 8.014 1.000 17.98 ATOM 2224 CG LEU A 297 3.299 29.668 8.014 1.000 20.66 ATOM 2225 CD LEU A 297 3.299 29.668 8.014 1.000 17.98 ATOM 2226 CD2 LEU A 297 3.299 29.668 8.014 1.000 20.65 ATOM 2223 CB HIS A 298 3.950 36.157 3.901 1.000 22.58 ATOM 2230 CA HIS A 298 3.950 36.157 3.901 1.000 22.58 ATOM 2231 CB HIS A 298 3.950 36.157 3.901 1.0												
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ATOM 2202 N VAL A 295			С							8.834	1.000	24.14
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ATOM	MOTA	2202	N	VAL	Α	295	5	.254	36.744	8.919	1.000	25.60
ATOM 2205 CG1 VAL A 295 8.189 38.107 6.995 1.000 24.48 ATOM 2206 CG2 VAL A 295 6.668 39.400 8.553 1.000 22.52 ATOM 2207 C VAL A 295 6.648 35.853 7.111 1.000 20.01 ATOM 2208 O VAL A 295 6.582 35.637 5.897 1.000 23.07 ATOM 2209 N TYR A 296 7.233 34.941 7.888 1.000 29.06 ATOM 2210 CA TYR A 296 7.779 33.698 7.342 1.000 20.10 ATOM 2211 CB TYR A 296 8.307 32.873 8.528 1.000 20.14 ATOM 2212 CG TYR A 296 9.099 31.652 8.140 1.000 22.62 ATOM 2213 CD1 TYR A 296 10.343 31.723 7.536 1.000 24.11 ATOM 2214 CE1 TYR A 296 11.044 30.582 7.188 1.000 24.78 ATOM 2215 CZ TYR A 296 10.500 29.338 7.451 1.000 30.65 ATOM 2216 OH TYR A 296 11.171 28.185 7.115 1.000 25.95 ATOM 2217 CE2 TYR A 296 8.570 30.384 8.389 1.000 22.75 ATOM 2218 CD2 TYR A 296 8.570 30.384 8.389 1.000 22.93 ATOM 2219 C TYR A 296 8.570 30.384 8.389 1.000 22.93 ATOM 2220 O TYR A 296 6.802 32.832 6.546 1.000 19.59 ATOM 2221 N LEU A 297 5.555 32.742 6.984 1.000 20.16 ATOM 2222 CA LEU A 297 3.186 31.985 7.052 1.000 17.75 ATOM 2223 CB LEU A 297 3.186 31.985 7.052 1.000 17.75 ATOM 2224 CG LEU A 297 3.186 31.985 7.052 1.000 17.79 ATOM 2225 CD1 LEU A 297 3.299 29.668 8.014 1.000 21.48 ATOM 2226 CD2 LEU A 297 3.299 29.668 8.014 1.000 21.48 ATOM 2227 C LEU A 297 3.299 29.668 8.014 1.000 17.48 ATOM 2228 C LEU A 297 3.299 29.668 8.014 1.000 17.48 ATOM 2229 N HIS A 298 4.256 33.978 4.931 1.000 22.58 ATOM 2220 C HIS A 298 4.256 33.978 4.931 1.000 25.50 ATOM 2231 CB HIS A 298 4.256 33.978 4.931 1.000 25.50 ATOM 2233 CB HIS A 298 4.256 33.978 4.931 1.000 25.50 ATOM 2233 CB HIS A 298 3.950 36.157 3.901 1.000 25.50 ATOM 2233 CB HIS A 298 3.950 36.157 3.901 1.000 25.50 ATOM 2233 CB HIS A 298 2.562 36.496 4.341 1.000 25.50 ATOM 2233 CB HIS A 298 2.562 36.496 4.341 1.000 25.50	ATOM	2203	CA				6	.065	37.085	7.762	1.000	26.06
ATOM 2206 CG2 VAL A 295 6.668 39.400 8.553 1.000 22.52 ATOM 2207 C VAL A 295 6.648 35.853 7.111 1.000 20.01 ATOM 2208 O VAL A 295 6.582 35.637 5.897 1.000 23.07 ATOM 2209 N TYR A 296 7.233 34.941 7.888 1.000 29.06 ATOM 2210 CA TYR A 296 7.779 33.698 7.342 1.000 20.10 ATOM 2211 CB TYR A 296 8.307 32.873 8.528 1.000 20.14 ATOM 2212 CG TYR A 296 9.099 31.652 8.140 1.000 22.62 ATOM 2213 CD1 TYR A 296 10.343 31.723 7.536 1.000 24.11 ATOM 2214 CE1 TYR A 296 10.343 31.723 7.536 1.000 24.11 ATOM 2215 CZ TYR A 296 10.500 29.338 7.451 1.000 30.65 ATOM 2215 CZ TYR A 296 11.044 30.582 7.188 1.000 24.78 ATOM 2215 CZ TYR A 296 11.171 28.185 7.115 1.000 25.95 ATOM 2217 CE2 TYR A 296 9.263 29.241 8.048 1.000 21.75 ATOM 2218 CD2 TYR A 296 8.570 30.384 8.389 1.000 22.93 ATOM 2219 C TYR A 296 6.802 32.832 6.546 1.000 19.59 ATOM 2220 O TYR A 296 6.802 32.832 6.546 1.000 19.59 ATOM 2221 N LEU A 297 5.555 32.742 6.984 1.000 21.48 ATOM 2222 CA LEU A 297 5.555 32.742 6.984 1.000 21.48 ATOM 2222 CA LEU A 297 3.186 31.985 7.052 1.000 17.75 ATOM 2223 CB LEU A 297 3.215 31.148 8.360 1.000 17.75 ATOM 2224 CG LEU A 297 3.215 31.148 8.360 1.000 17.75 ATOM 2225 CD1 LEU A 297 3.215 31.148 8.360 1.000 17.78 ATOM 2227 C LEU A 297 3.215 31.148 8.360 1.000 17.79 ATOM 2227 C LEU A 297 4.501 32.003 6.276 1.000 17.79 ATOM 2227 C LEU A 297 4.501 32.003 6.364 4.904 1.000 17.96 ATOM 2227 C LEU A 297 4.276 32.654 4.904 1.000 17.48 ATOM 2227 C LEU A 297 4.276 32.654 4.904 1.000 17.48 ATOM 2227 C LEU A 297 4.276 32.654 4.904 1.000 17.48 ATOM 2227 C LEU A 297 4.276 32.654 4.904 1.000 17.48 ATOM 2223 CB HIS A 298 4.256 33.978 4.931 1.000 22.58 ATOM 2231 CB HIS A 298 4.256 33.978 4.931 1.000 22.558 ATOM 2231 CB HIS A 298 3.950 36.157 3.901 1.000 25.500 22.98 ATOM 2233 CB HIS A 298 3.950 36.157 3.901 1.000 25.500 22.98 ATOM 2233 CB HIS A 298 2.562 36.496 4.341 1.000 25.50	ATOM	2204	CB	VAL	Α	295	7	.222	38.039	8.161	1.000	22.22
ATOM 2207 C VAL A 295 6.648 35.853 7.111 1.000 20.01 ATOM 2208 O VAL A 295 6.582 35.637 5.897 1.000 23.07 ATOM 2209 N TYR A 296 7.233 34.941 7.888 1.000 29.06 ATOM 2210 CA TYR A 296 7.779 33.698 7.342 1.000 20.10 ATOM 2211 CB TYR A 296 8.307 32.873 8.528 1.000 20.14 ATOM 2212 CG TYR A 296 9.099 31.652 8.140 1.000 22.62 ATOM 2213 CD1 TYR A 296 10.343 31.723 7.536 1.000 24.71 ATOM 2214 CE1 TYR A 296 10.343 31.723 7.536 1.000 24.71 ATOM 2215 CZ TYR A 296 10.343 31.723 7.536 1.000 24.78 ATOM 2215 CZ TYR A 296 10.500 29.338 7.451 1.000 30.65 ATOM 2216 OH TYR A 296 11.044 30.582 7.188 1.000 24.78 ATOM 2217 CE2 TYR A 296 11.171 28.185 7.115 1.000 25.95 ATOM 2218 CD2 TYR A 296 9.263 29.241 8.048 1.000 21.75 ATOM 2218 CD2 TYR A 296 8.570 30.384 8.389 1.000 22.93 ATOM 2219 C TYR A 296 6.802 32.832 6.546 1.000 21.75 ATOM 2212 CA LEU A 297 5.555 32.742 6.984 1.000 20.16 ATOM 2221 N LEU A 297 4.501 32.003 6.276 1.000 17.75 ATOM 2222 CA LEU A 297 4.501 32.003 6.276 1.000 17.75 ATOM 2223 CB LEU A 297 3.186 31.985 7.052 1.000 17.79 ATOM 2224 CG LEU A 297 3.215 31.148 8.360 1.000 17.79 ATOM 2224 CG LEU A 297 3.215 31.148 8.360 1.000 17.79 ATOM 2222 CD LEU A 297 3.295 32.742 6.984 1.000 17.79 ATOM 2227 C LEU A 297 3.295 31.495 9.235 1.000 17.79 ATOM 2228 O LEU A 297 3.295 31.495 9.235 1.000 17.79 ATOM 2222 CD LEU A 297 3.295 31.495 9.235 1.000 17.79 ATOM 2223 CB LEU A 297 4.276 32.654 4.904 1.000 17.48 ATOM 2229 N HIS A 298 4.256 33.978 4.931 1.000 22.58 ATOM 2231 CB HIS A 298 4.256 33.978 4.931 1.000 22.58 ATOM 2231 CB HIS A 298 3.950 36.157 3.901 1.000 22.98 ATOM 2233 CG HIS A 298 3.950 36.157 3.901 1.000 22.98 ATOM 2233 CG HIS A 298 3.950 36.157 3.901 1.000 22.98 ATOM 2233 CG HIS A 298 3.950 36.157 3.901 1.000 22.98 ATOM 2233 CG HIS A 298 3.950 36.157 3.901 1.000 22.98 ATOM 2233 CG HIS A 298 3.950 36.157 3.901 1.000 22.98 ATOM 2233 CG HIS A 298 3.950 36.157 3.901 1.000 22.98 ATOM 2233 CG HIS A 298 3.950 36.157 3.901 1.000 22.98 ATOM 2233 CG HIS A 298 3.950 36.157 3.901 1.000 22.98 ATOM 2233 CG HIS A 298 3.950 36.709 5.744 1.0	ATOM	2205	CG1	VAL	Α	295	8	.189	38.107	6.995	1.000	24.48
ATOM 2208 O VAL A 295 6.582 35.637 5.897 1.000 23.07 ATOM 2209 N TYR A 296 7.233 34.941 7.888 1.000 29.06 ATOM 2210 CA TYR A 296 7.779 33.698 7.342 1.000 20.10 ATOM 2211 CB TYR A 296 8.307 32.873 8.528 1.000 20.14 ATOM 2212 CG TYR A 296 9.099 31.652 8.140 1.000 24.11 ATOM 2212 CG TYR A 296 10.343 31.723 7.536 1.000 24.11 ATOM 2214 CE1 TYR A 296 10.343 31.723 7.536 1.000 24.11 ATOM 2215 CZ TYR A 296 10.500 29.338 7.451 1.000 30.65 ATOM 2215 CZ TYR A 296 10.500 29.338 7.451 1.000 30.65 ATOM 2216 OH TYR A 296 11.171 28.185 7.115 1.000 30.65 ATOM 2217 CE2 TYR A 296 9.263 29.241 8.048 1.000 21.75 ATOM 2218 CD2 TYR A 296 8.570 30.384 8.389 1.000 22.93 ATOM 2219 C TYR A 296 8.570 30.384 8.389 1.000 22.93 ATOM 2219 C TYR A 296 6.802 32.832 6.546 1.000 19.59 ATOM 2221 N LEU A 297 5.555 32.742 6.984 1.000 20.16 ATOM 2222 CA LEU A 297 4.501 32.003 6.276 1.000 17.75 ATOM 2224 CG LEU A 297 3.186 31.985 7.052 1.000 17.75 ATOM 2224 CG LEU A 297 3.215 31.488 8.360 1.000 17.79 ATOM 2225 CD1 LEU A 297 3.299 29.668 8.014 1.000 17.48 ATOM 2227 C LEU A 297 3.299 29.668 8.014 1.000 17.48 ATOM 2227 C LEU A 297 3.299 29.668 8.014 1.000 17.48 ATOM 2227 C LEU A 297 3.299 29.668 8.014 1.000 17.48 ATOM 2227 C LEU A 297 4.276 32.654 4.904 1.000 17.48 ATOM 2228 O LEU A 297 4.276 32.654 4.904 1.000 17.48 ATOM 2229 N HIS A 298 4.256 33.978 4.931 1.000 22.58 ATOM 2231 CB HIS A 298 4.256 33.978 4.931 1.000 25.50 ATOM 2231 CB HIS A 298 3.950 36.157 3.901 1.000 25.50 ATOM 2233 ND1 HIS A 298 3.550 36.479 5.744 1.000 24.82	ATOM	2206	CG2	VAL	Α	295	6	.668	39.400	8.553	1.000	22.52
ATOM 2208 O VAL A 295 6.582 35.637 5.897 1.000 23.07 ATOM 2209 N TYR A 296 7.233 34.941 7.888 1.000 29.06 ATOM 2210 CA TYR A 296 7.779 33.698 7.342 1.000 20.10 ATOM 2211 CB TYR A 296 8.307 32.873 8.528 1.000 20.10 ATOM 2212 CG TYR A 296 9.099 31.652 8.140 1.000 24.11 ATOM 2212 CG TYR A 296 10.343 31.723 7.536 1.000 24.11 ATOM 2214 CE1 TYR A 296 10.343 31.723 7.536 1.000 24.78 ATOM 2215 CZ TYR A 296 10.500 29.338 7.451 1.000 30.65 ATOM 2216 OH TYR A 296 10.500 29.338 7.451 1.000 30.65 ATOM 2216 OH TYR A 296 11.171 28.185 7.115 1.000 25.95 ATOM 2217 CE2 TYR A 296 9.263 29.241 8.048 1.000 21.75 ATOM 2218 CD2 TYR A 296 8.570 30.384 8.389 1.000 22.93 ATOM 2219 C TYR A 296 6.802 32.832 6.546 1.000 12.75 ATOM 2212 N LEU A 297 5.555 32.742 6.984 1.000 20.16 ATOM 2222 CA LEU A 297 5.555 32.742 6.984 1.000 20.16 ATOM 2223 CB LEU A 297 3.186 31.985 7.052 1.000 17.75 ATOM 2224 CG LEU A 297 3.186 31.985 7.052 1.000 17.75 ATOM 2224 CG LEU A 297 3.293 29.668 8.014 1.000 17.48 ATOM 2227 C LEU A 297 3.295 29.668 8.014 1.000 17.48 ATOM 2227 C LEU A 297 3.299 29.668 8.014 1.000 17.48 ATOM 2227 C LEU A 297 4.501 32.003 6.276 1.000 17.79 ATOM 2226 CD2 LEU A 297 4.276 32.654 4.904 1.000 17.48 ATOM 2227 C LEU A 297 4.276 32.654 4.904 1.000 17.48 ATOM 2229 N HIS A 298 4.256 33.978 4.931 1.000 22.58 ATOM 2231 CB HIS A 298 4.256 33.978 4.931 1.000 25.50 ATOM 2231 CB HIS A 298 3.950 36.157 3.901 1.000 25.50 ATOM 2233 CG HIS A 298 3.950 36.157 3.901 1.000 25.98 ATOM 2233 CG HIS A 298 3.950 36.157 3.901 1.000 25.98 ATOM 2233 CG HIS A 298 3.950 36.157 3.901 1.000 25.98 ATOM 2233 CG HIS A 298 3.950 36.157 3.901 1.000 25.98 ATOM 2233 CG HIS A 298 3.950 36.157 3.901 1.000 25.98 ATOM 2233 CG HIS A 298 3.550 36.496 4.341 1.000 26.24 ATOM 2233 CG HIS A 298 3.550 36.709 5.744 1.000 24.82	ATOM	2207	С	VAL	Α	295	6	.648	35.853	7.111	1.000	20.01
ATOM 2210 CA TYR A 296 7.779 33.698 7.342 1.000 29.06 ATOM 2211 CB TYR A 296 8.307 32.873 8.528 1.000 20.10 ATOM 2211 CB TYR A 296 9.099 31.652 8.140 1.000 22.62 ATOM 2213 CD1 TYR A 296 10.343 31.723 7.536 1.000 24.11 ATOM 2214 CE1 TYR A 296 11.044 30.582 7.188 1.000 24.78 ATOM 2215 CZ TYR A 296 10.500 29.338 7.451 1.000 30.65 ATOM 2216 OH TYR A 296 10.500 29.338 7.451 1.000 30.65 ATOM 2217 CE2 TYR A 296 11.171 28.185 7.115 1.000 25.95 ATOM 2218 CD2 TYR A 296 9.263 29.241 8.048 1.000 21.75 ATOM 2219 C TYR A 296 8.570 30.384 8.389 1.000 22.93 ATOM 2220 O TYR A 296 6.802 32.832 6.546 1.000 19.59 ATOM 2221 N LEU A 297 5.555 32.742 6.984 1.000 21.48 ATOM 2222 CA LEU A 297 4.501 32.003 6.276 1.000 17.75 ATOM 2223 CB LEU A 297 3.186 31.985 7.052 1.000 17.75 ATOM 2224 CG LEU A 297 3.186 31.985 7.052 1.000 17.79 ATOM 2225 CD1 LEU A 297 3.215 31.148 8.360 1.000 17.79 ATOM 2227 C LEU A 297 3.295 31.495 9.235 1.000 17.79 ATOM 2227 C LEU A 297 3.295 31.495 9.235 1.000 17.79 ATOM 2227 C LEU A 297 3.295 31.495 9.235 1.000 17.79 ATOM 2228 O LEU A 297 4.276 32.654 4.904 1.000 17.48 ATOM 2227 C LEU A 297 4.276 32.654 4.904 1.000 17.96 ATOM 2229 N HIS A 298 4.256 33.978 4.931 1.000 22.58 ATOM 2232 CG HIS A 298 4.256 33.978 4.931 1.000 23.47 ATOM 2231 CB HIS A 298 4.152 34.678 3.633 1.000 23.47 ATOM 2232 CG HIS A 298 3.950 36.157 3.901 1.000 25.50 ATOM 2233 CB HIS A 298 2.562 36.496 4.341 1.000 25.98 ATOM 2233 CB HIS A 298 2.562 36.496 4.341 1.000 25.99 ATOM 2233 CG HIS A 298 2.562 36.496 4.341 1.000 25.99 ATOM 2233 CG HIS A 298 2.562 36.496 4.341 1.000 25.99 ATOM 2233 CG HIS A 298 2.562 36.496 4.341 1.000 25.99 ATOM 2233 CG HIS A 298 2.562 36.496 4.341 1.000 25.99 ATOM 2233 CG HIS A 298 2.562 36.496 4.341 1.000 25.99 ATOM 2233 CG HIS A 298 2.562 36.496 4.341 1.000 25.99 ATOM 2234 CE1 HIS A 298 2.562 36.496 4.341 1.000 24.82	ATOM	2208	0	VAL	Α	295	6	.582	35.637			
ATOM 2210 CA TYR A 296 7.779 33.698 7.342 1.000 20.10 ATOM 2211 CB TYR A 296 8.307 32.873 8.528 1.000 20.14 ATOM 2212 CG TYR A 296 9.099 31.652 8.140 1.000 22.62 ATOM 2213 CD1 TYR A 296 10.343 31.723 7.536 1.000 24.11 ATOM 2214 CE1 TYR A 296 11.044 30.582 7.188 1.000 24.78 ATOM 2215 CZ TYR A 296 11.044 30.582 7.188 1.000 24.78 ATOM 2216 OH TYR A 296 11.071 28.185 7.115 1.000 30.65 ATOM 2217 CE2 TYR A 296 11.171 28.185 7.115 1.000 25.95 ATOM 2218 CD2 TYR A 296 9.263 29.241 8.048 1.000 21.75 ATOM 2219 C TYR A 296 8.570 30.384 8.389 1.000 22.93 ATOM 2219 C TYR A 296 6.802 32.832 6.546 1.000 19.59 ATOM 2220 O TYR A 296 6.802 32.832 6.546 1.000 19.59 ATOM 2221 N LEU A 297 5.555 32.742 6.984 1.000 20.16 ATOM 2222 CA LEU A 297 4.501 32.003 6.276 1.000 16.68 ATOM 2222 CA LEU A 297 3.186 31.985 7.052 1.000 17.75 ATOM 2224 CG LEU A 297 3.215 31.148 8.360 1.000 16.83 ATOM 2225 CD1 LEU A 297 3.215 31.148 8.360 1.000 17.79 ATOM 2226 CD2 LEU A 297 3.215 31.148 8.360 1.000 17.79 ATOM 2227 C LEU A 297 4.501 32.053 6.764 4.904 1.000 17.96 ATOM 2228 O LEU A 297 4.276 32.654 4.904 1.000 17.96 ATOM 2229 N HIS A 298 4.256 33.978 4.931 1.000 20.64 ATOM 2229 N HIS A 298 4.256 33.978 4.931 1.000 23.47 ATOM 2230 CB HIS A 298 4.256 33.978 4.931 1.000 25.50 ATOM 2231 CB HIS A 298 3.950 36.157 3.901 1.000 25.50 ATOM 2232 CG HIS A 298 2.562 36.496 4.341 1.000 26.24 ATOM 2233 ND1 HIS A 298 2.562 36.496 4.341 1.000 25.50 ATOM 2233 ND1 HIS A 298 2.562 36.496 4.341 1.000 25.50	ATOM	2209	N	TYR	Α	296				7.888		
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ATOM 2234 CE1 HIS A 298 0.865 36.709 5.744 1.000 24.82										4.341	1.000	26.24
	ATOM	2233	ND1	HIS	Α	298	2.	118	36.313	5.625	1.000	22.98
ATOM 2235 NE2 HIS A 298 0.470 37.141 4.565 1.000 27.56	ATOM	2234	CE1	HIS	Α	298	0.	865	36.709	5.744	1.000	24.82
	ATOM	2235	NE2	HIS	Α	298	0.	470	37.141	4.565	1.000	27.56

ATOM	2236	CD2	HIS	A	298	1.512	37.022	3.673	1.000	23.83
ATOM	2237	С			298	5.379	34.412	2.785		
ATOM	2238	0			298	5.260	34.132	1.597		
ATOM	2239	N			299	6.602	34.457	3.323		24.45
ATOM	2240	CA			299	7.767	34.186	2.484		23.57
ATOM	2241	CB			299	9.094	34.286	3.248		24.20
ATOM	2242	CG			299	9.618	35.701	3.344		
ATOM	2243	CD			299	10.513				
ATOM	2243	OE1			299		35.927	4.544		
						10.525	35.111	5.469		47.05
ATOM	2245	NE2			299	11.230	37.044	4.501		
ATOM	2246	С			299	7.706	32.790	1.911		
ATOM	2247	0			299	8.136	32.450	0.809		
ATOM	2248	N			300	7.152	31.871	2.733		
ATOM	2249	CA			300	7.113	30.506	2.245		15.17
ATOM	2250	CB			300	6.555	29.579	3.330		
ATOM	2251	SG			300	7.710	29.138	4.647		
MOTA	2252	С			300	6.212	30.350	1.023		
ATOM	2253	0			300	6.539	29.695	0.050		
MOTA	2254	N			301	5.033	30.956	1.118		22.72
MOTA	2255	CA			301	4.112	30.918	-0.014	1.000	22.06
ATOM	2256	CB			301	2.771	31.522	0.407		23.59
ATOM	2257	CG1			301	1.869	31.780	-0.793		27.41
ATOM	2258	CG2				2.103	30.549	1.385		22.39
MOTA	2259	С			301	4.739	31.650	-1.213		26.22
ATOM	2260	0			301	4.684	31.075	-2.300		25.21
ATOM	2261	N			302	5.299	32.832	-0.941	1.000	30.33
MOTA	2262	CA			302	5.937	33.614	-2.013	1.000	27.54
ATOM	2263	CB			302	6.701	34.808	-1.462	1.000	26.63
ATOM	2264	CG	ARG			7.324	35.658	-2.568	1.000	39.21
ATOM	2265	CD	ARG			8.529	36.449	-2.082		43.43
MOTA	2266	NE	ARG			9.554	35.568	-1.510		37.14
ATOM	2267	CZ	ARG			10.329	35.931	-0.494		
MOTA	2268	NH1				10.197	37.132	0.049		
MOTA	2269		ARG			11.233	35.083	-0.027		
MOTA	2270	С	ARG			6.895	32.701	-2.764		32.29
MOTA	2271	0	ARG			6.982	32.557	-3.972		
MOTA	2272	N	ASP			7.670	31.982	-1.931	1.000	
MOTA	2273	CA	ASP			8.736	31.200	-2.547	1.000	
MOTA	2274	CB	ASP			9.749	30.722		1.000	29.94
ATOM	2275	CG	ASP			10.561	31.886	-0.934		
MOTA	2276		ASP			10.575	33.000	-1.513		
MOTA	2277		ASP			11.207	31.698		1.000	
ATOM	2278	С	ASP			8.159	30.064	-3.366		
ATOM	2279	0	ASP			8.647	29.887	-4.490		
MOTA	2280	N	VAL			7.167	29.345	-2.844	1.000	30.50
ATOM	2281	CA	VAL			6.548	28.260	-3.598		
ATOM	2282	CB	VAL			5.491	27.493	-2.783		
MOTA	2283	CG1	VAL			4.652	26.589	-3.669		
MOTA	2284		VAL			6.165	26.665	-1.692		
ATOM	2285	С	VAL			5.884	28.774	-4.877		
ATOM	2286	0	VAL			6.042	28.169	-5.933		
MOTA	2287	N	LEU	Α	305	5.140	29.874	-4.827	1.000	27.71

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MOTA	2288	CA	LEU			4.558				
MOTA	2289	СВ	LEU	A	305	3.55				
MOTA	2290	CG	LEU	Α	305	2.392	2 31.001	-4.830	1.000	35.13
ATOM	2291	CD1	LEU	Α	305	1.34	4 32.082	-4.643	1.000	31.50
MOTA	2292	CD2	LEU	Α	305	1.810	0 29.740	-5.458	1.000	27.65
MOTA	2293	С	LEU	Α	305	5.60	6 30.942	-7.043	1.000	39.73
ATOM	2294	0	LEU	Α	305	5.47	7 30.795	-8.267	1.000	34.97
ATOM	2295	N	ARG			6.64	4 31.587	-6.500	1.000	30.15
ATOM	2296	CA	ARG			7.69		-7.303		
ATOM	2297	СВ	ARG			8.843			1.000	
ATOM	2298	CG	ARG			9.589				39.22
ATOM	2299	CD	ARG		306	10.448			1.000	
ATOM	2300	NE	ARG			9.979		-5.635	1.000	
ATOM	2301	CZ	ARG			10.60		-4.767		54.00
	2301	NH1	ARG			11.71		-4.169	1.000	
ATOM		NH2	ARG			10.130		-4.496		
ATOM	2303							-8.271	1.000	
ATOM	2304	С	ARG			8.28				
ATOM	2305	0	ARG			8.462		-9.450		
ATOM	2306	N	ALA			8.569		<b>-</b> 7.699		31.66
ATOM	2307	CA	ALA			9.158		-8.317		
MOTA	2308	СВ	ALA			9.44				
MOTA	2309	С	ALA			8.300				
ATOM	2310	0	ALA			8.799		-10.499		44.35
ATOM	2311	N	ARG			7.102				52.74
MOTA	2312	CA	ARG	Α	308	6.308				54.48
ATOM	2313	CB	ARG			4.97			1.000	57.15
ATOM	2314	CG	ARG	A	308	5.19	4 25.951	-7.736		58.94
ATOM	2315	CD	ARG	Α	308	4.116	6 24.969			55.91
MOTA	2316	NE	ARG	Α	308	2.80	4 25.598	-7.229	1.000	48.91
ATOM	2317	CZ	ARG	Α	308	1.773	3 25.117	-6.536	1.000	51.64
ATOM	2318	NH1	ARG	Α	308	1.868	3 23.990	-5.844	1.000	35.99
MOTA	2319	NH2	ARG	Α	308	0.639	9 25.806	-6.558	1.000	44.89
MOTA	2320	С	ARG	Α	308	6.063	3 27.269	-11.267	1.000	53.61
MOTA	2321	0	ARG	Α	308	5.80	7 26.391	-12.115	1.000	48.27
ATOM	2322	N	LYS	Α	309	6.15	28.565	-11.523	1.000	43.56
MOTA	2323	CA	LYS	Α	309	6.129	9 29.126	-12.866	1.000	55.87
MOTA	2324	СВ	LYS	Α	309	6.515	30.617	-12.836	1.000	53.73
ATOM	2325	CG	LYS .			5.322	2 31.519	-12.555	1.000	50.14
ATOM	2326	CD	LYS .			5.733		-11.988	1.000	51.79
ATOM	2327	CE	LYS			5.194		-12.859	1.000	58.07
ATOM	2328	NZ	LYS			5.302		-12.188		
ATOM	2329	C	LYS			7.071		-13.819		
ATOM	2330	0	LYS			6.769		-14.991		
ATOM	2331	N	LEU			8.259		-13.326		
ATOM	2332	CA	LEU			9.179		-14.104		
ATOM	2333	CB	LEU			10.617		-13.747		
	2333	CG	LEU .			10.793		-13.278		
ATOM			LEU .			12.262		-12.996		
ATOM	2335		LEU .			10.245		-14.295		
ATOM	2336					8.920		-14.293		
ATOM	2337	C O1	LEU .			2.014				
ATOM	2338	01	HOH		1					
ATOM	2339	01	НОН	٧V	2	-5.416	20.004	24.740	1.000	13.02

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ATOM	2340	01	HOH W	3	9.941	34.403	15.794		
MOTA	2341	01	HOH W	4	1.150	20.544	3.861	1.000	16.32
MOTA	2342	01	HOH W	5	11.855	1.496	23.723		
ATOM	2343	01	HOH W	6	11.026	19.440	31.061		
MOTA	2344	01	HOH W	7	-4.100	15.347	34.619	1.000	
MOTA	2345	01	HOH W	8	-8.502	35.220	27.278	1.000	20.31
MOTA	2346	01	HOH W	9	10.956	8.876	28.629	1.000	24.20
MOTA	2347	01	HOH W	10	13.818	22.433	16.330	1.000	21.57
ATOM	2348	01	HOH W	11	-4.748	20.337	7.520	1.000	18.34
ATOM	2349	01	HOH W	12	7.144	17.757	36.248	1.000	23.39
ATOM	2350	01	HOH W	13	-8.500	25.553	30.582	1.000	21.46
ATOM	2351	01	HOH W	14	1.872	18.169	29.324		19.74
ATOM	2352	01	HOH W	15	-12.583	28.920	26.833	1.000	
ATOM	2353	01	HOH W	16	17.845	15.230	13.268	1.000	
ATOM	2354	01	HOH W	17	2.522	25.792	29.444	1.000	
ATOM	2355	01	HOH W	18	-12.414	36.213	18.671	1.000	
			HOH W	19	-0.308	19.015	30.907	1.000	
ATOM	2356	01				15.507	8.656	1.000	
ATOM	2357	01	HOH W	20	-4.507	16.804			19.87
ATOM	2358	01	HOH W	21	-1.463		32.355		
MOTA	2359	01	HOH W	22	-7.774	24.896	24.411	1.000	
ATOM	2360	01	HOH W	23	2.487	23.390	-2.046	1.000	
MOTA	2361	01	HOH W	24	-5.084	36.399	19.340	1.000	
MOTA	2362	01	HOH W	25	11.554	11.480	16.357	1.000	
MOTA	2363	01	HOH W	26	12.946	5.581	11.917	1.000	
MOTA	2364	01	HOH W	27	-12.980	20.577	24.368	1.000	
MOTA	2365	01	HOH W	28	10.212	31.138	15.942	1.000	
MOTA	2366	01	HOH W	29	14.372	4.995	27.900	1.000	
MOTA	2367	01	HOH W	30	-2.960	34.484	1.831	1.000	27.40
ATOM	2368	01	HOH W	31	10.824	30.078	18.289	1.000	25.67
MOTA	2369	01	HOH W	32	13.982	2.205	27.167	1.000	25.41
ATOM	2370	01	HOH W	33	1.575	12.107	33.860	1.000	34.16
ATOM	2371	01	HOH W	34	-3.137	19.220	-7.395	1.000	25.27
ATOM	2372	01	HOH W	35	-6.170	33.272	20.828	1.000	21.49
ATOM	2373	01	HOH W	36	-1.632	39.007	16.222	1.000	27.21
ATOM	2374	01	HOH W	37	7.347	31.206	19.263	1.000	26.77
ATOM	2375	01	HOH W	38	9.444	26.520	21.341	1.000	29.37
ATOM	2376	01	HOH W	39	-8.237	9.947	35.385	1.000	
ATOM	2377	01	HOH W	40	-2.103	38.773	20.445	1.000	27.92
ATOM	2378	01	HOH W	41	-9.820	28.498	38.052		
ATOM	2379	01	HOH W	42	10.051	20.936	-0.828		
ATOM	2380	01	HOH W	43	-14.963	17.351	10.401		
	2381	01	HOH W	44	15.436	8.322	21.787		
ATOM		01	HOH W	45	1.871	19.354		1.000	
ATOM	2382					19.535	29.453		
ATOM	2383	01	HOH W	46	-7.599			1.000	
ATOM	2384	01	HOH W	47	3.330	17.045			
ATOM	2385	01	HOH W	48	14.921	28.549		1.000	
ATOM	2386	01	HOH W	49	4.221	11.439	33.921		
ATOM	2387	01	HOH W	50	6.471	7.214	33.313		
MOTA	2388	01	HOH W	51	6.997	11.081		1.000	
MOTA	2389	01	HOH W	52	9.828	14.413		1.000	
ATOM	2390	01	HOH W	53	-2.049	5.578	31.420		
MOTA	2391	01	HOH W	54	7.546	28.605	19.653	1.000	38.00

ATOM	2392	01	нон 1	N	55	-11.689	15.787	24.708	1.000	27.99
ATOM	2393	01	нон 1	N	56	-1.930	38.222	3.832	1.000	26.57
ATOM	2394	01	нон 1		57	3.629	5.858	35.758	1.000	33.41
ATOM	2395	01	нон 1		58	2.994	20.770	-0.697	1.000	26.75
ATOM	2396	01	нон 1		59	-13.363	22.643	29.523	1.000	32.53
ATOM	2397	01	нон 1	N	60	-3.967	36.098	3.552	1.000	24.24
ATOM	2398	01	нон 1		61	-13.003	28.717	20.098	1.000	30.30
ATOM	2399	01	нон 1		62	-3.571	34.737	21.021	1.000	24.77
ATOM	2400	01	нон 1		63	-3.353	25.782	37.784	1.000	31.16
ATOM	2401	01	нон ч		64	-4.181	15.085	11.174	1.000	23.09
ATOM	2402	01	нон 1		65	14.882	1.430	29.740	1.000	32.36
ATOM	2403	01	нон ч		66	-2.385	10.919	14.099		31.04
ATOM	2404	01	нон 1		67	-2.022	11.997	12.100	1.000	34.23
MOTA	2405	01	нон ч		68	-0.074	6.701	29.852	1.000	28.84
ATOM	2406	01	нон ч		69	13.012	17.319	31.049	1.000	34.35
ATOM	2407	01	нон 1		70	-0.945	-1.322	32.490	1.000	27.87
ATOM	2407	01	HOH I		71	-14.687	16.999	7.638	1.000	39.15
ATOM	2409	01	HOH I		72	5.621	40.002	16.979	1.000	36.19
ATOM	2410	01	HOH I		73	5.019	34.934	-5.124	1.000	30.14
ATOM	2411	01	HOH I		74	-13.469	20.866	21.275	1.000	35.79
ATOM	2411	01	HOH I		75	-6.587	38.439	-4.937	1.000	34.64
	2412	01	HOH I		76	-6.586	20.943	1.389	1.000	34.28
ATOM	2413	01	HOH I		77	16.678	2.326	14.116	1.000	34.62
ATOM	2414	01	HOH I		78	-0.115	2.845	36.291	1.000	30.53
ATOM						-0.221	19.000	-0.242		25.17
ATOM	2416	01	HOH I		79		13.617	17.062		28.47
ATOM	2417	01	HOH I		80	18.011		31.945	1.000	25.91
ATOM	2418	01	HOH I		81	8.378	5.752		1.000	32.53
ATOM	2419	01	HOH I		82	-1.655	40.288	22.680	1.000	41.03
ATOM	2420	01	HOH I		83	6.545	30.062	22.582		
ATOM	2421	01	HOH !		84	8.148	39.805	15.692	1.000	35.25
ATOM	2422	01	HOH !		85	-14.461	20.880	32.244	1.000	35.66
ATOM	2423	01	НОН Г		86	5.851	3.752	34.055	1.000	36.71
ATOM	2424	01	HOH I		87	-0.955	1.090	13.636	1.000	39.92
MOTA	2425	01	НОН Т		88	8.422	39.414	-0.957	1.000	48.27
MOTA	2426	01	НОН Т		89	10.954	39.318	2.465	1.000	44.33
MOTA	2427	01	НОН Т		90	2.579	50.503	2.300	1.000	54.86
MOTA	2428	01	НОН Г		91	3.085	48.432	3.786	1.000	37.84
ATOM	2429	01	HOH 1		92	6.015	47.673	10.758	1.000	46.93
MOTA	2430	01	НОН Т		93	-4.388	-7.612	19.050	1.000	45.59
MOTA	2431	01	HOH 1		94	0.214	18.775	39.716		
ATOM	2432	01	ион Т		95	-12.966	13.296	30.655		
MOTA	2433	01	HOH 1		96	0.538	14.855	35.881		
MOTA	2434	01	НОН Т		97	17.070	25.109	3.747		
MOTA	2435	01	нон Т		98	11.830	27.957	-0.458		
MOTA	2436	01	HOH 1		99	-4.616	12.312	11.217		
MOTA	2437	01	HOH I		100	11.872	35.092		1.000	
MOTA	2438	01	HOH 1		101	10.663	36.578		1.000	
MOTA	2439	01	нон и		102	14.787	30.925		1.000	
MOTA	2440	01	HOH V		103	-7.639	22.432	-0.126		
MOTA	2441	01	HOH V		104	-0.768	39.758	18.325		
ATOM	2442	01	нон и	<b>V</b>	105	11.805	25.356	22.168		
ATOM	2443	01	нон и	<b>V</b> 1	106	20.422	18.338	13.902	1.000	45.59

ATOM	2444	01	HOH W	107	10.183	24.874	30.453	1.000	38.68
ATOM	2445	01		108	16.785	32.728	12.612	1.000	31.96
ATOM	2446	01		109	13.492	30.752	17.655	1.000	39.37
ATOM	2447	01	HOH W	110	<b>-</b> 3.931	16.862	2.029		
ATOM	2448	01	HOH W	111	-7.045	29.232	5.340	1.000	28.48
ATOM	2449	01		112	-7.762	11.786	25.923	1.000	28.04
ATOM	2450	01	HOH W	113	-13.605	33.677	20.128		32.20
ATOM	2451	01	HOH W	114	10.065	39.638	9.803		38.13
ATOM	2452	01	HOH W	115	-8.934	24.435	1.974		31.50
MOTA	2453	01	HOH W	116	17.216	10.741	21.573		34.76
MOTA	2454	01	HOH W	117	-11.923	22.839	19.220		39.73
MOTA	2455	01	HOH W	118	7.473	12.705	1.120	1.000	
MOTA	2456	01		119	5.483	8.873	2.549	1.000	
MOTA	2457	01	HOH W	120	-14.010	13.235	28.254		
ATOM	2458	01	HOH W	121	-6.810	4.829	28.513	1.000	
MOTA	2459	01		122	-14.132	10.542	31.339	1.000	
ATOM	2460	01		123	5.390	21.831	37.038	1.000	
MOTA	2461	01		124	-14.479	21.966	26.038	1.000	
MOTA	2462	01	HOH W	125	4.264	17.945	-1.288	1.000	
MOTA	2463	01	HOH W	126	23.828	24.174	30.873	1.000	
MOTA	2464	01	HOH W	127	-6.176	26.450	5.939	1.000	
MOTA	2465	01		128	3.350	34.622	26.589	1.000	
MOTA	2466	01		129	16.916	27.171	7.485	1.000	
ATOM	2467	01	HOH W	130	-11.189	32.210	8.814	1.000	
ATOM	2468	01	HOH W	131	-4.460	2.050	29.021		
ATOM	2469	01		132	-15.621	16.785	16.397		35.50
MOTA	2470	01		133	13.141	-0.750	30.285 18.996		33.72
ATOM	2471	01	HOH W	134	16.391	14.131 23.607	18.037		
ATOM	2472	01	HOH W	135	15.720	28.989	7.435	1.000	
ATOM	2473	01	HOH W	136	-9.180 -13.398	18.098	35.125	1.000	
ATOM	2474	01		137 138	-13.398 -14.347	26.998	19.051	1.000	
ATOM	2475	01 01	HOH W	139	17.167	1.215	28.662		
MOTA	2476 2477	01	HOH W	140	-5.468	13.807	7.111	1.000	
MOTA MOTA	2477	01	HOH W	141	-4.475	4.635	29.841	1.000	
ATOM	2479	01	HOH W	142	-12.828	27.385	13.802		
ATOM	2480	01	HOH W	143	-13.938	17.712	24.521		31.09
ATOM	2481	01	HOH W	144	16.503	26.254	10.447		46.13
ATOM	2482	01		145	20.599	20.875	15.821	1.000	41.98
ATOM	2483	01	HOH W		20.503	19.870	22.082	1.000	51.04
MOTA	2484	01	HOH W		4.262	18.175	36.175	1.000	33.32
ATOM	2485	01	HOH W		-0.297	26.441	36.081	1.000	52.28
ATOM	2486	01	HOH W		20.297	28.737	16.671	1.000	44.74
ATOM	2487	01	HOH W		7.203	23.388	35.762		
MOTA	2488	01	HOH W		10.549	7.398	31.284		
ATOM	2489	01	HOH W	152	6.081	38.872	-2.812		
MOTA	2490	01	HOH W	153	13.265	33.000		1.000	
ATOM	2491	01	HOH W	154	-12.530	39.835	27.125		
MOTA	2492	01	HOH W	155	11.420	11.430	30.533		
MOTA	2493	01	HOH W		0.901	8.244	35.852		
ATOM	2494	01	HOH W		-7.963	29.336	-0.295		
MOTA	2495	01	HOH W	158	20.035	12.009	18.471	1.000	34.3/

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MOTA	2496	01	HOH W		-4.350	3.543	10.491		
ATOM	2497	01	HOH W	160	4.286	9.674	36.102		40.87
ATOM	2498	01	HOH W	161	-8.003	41.353	17.020		48.97
ATOM	2499	01	HOH W	162	15.195	17.562	28.763		43.23
MOTA	2500	01		163	-10.778	5.540	28.103		47.36
ATOM	2501	01		164	19.303	31.924	16.796	1.000	51.07
	2502	01		165	-4.383	19.665	-0.828	1.000	32.47
ATOM	2502	01		166	8.839	24.816	-3.783	1.000	41.71
ATOM				167	6.219	15.861	-1.300		43.10
MOTA	2504	01		168	10.025	33.624	18.562		40.32
MOTA	2505	01		169	7.836	30.797	27.712		
MOTA	2506	01			-9.946	19.362			
MOTA	2507	01		170		23.179	24.094	1.000	
MOTA	2508	01		171	22.397				39.04
MOTA	2509	01		172	6.196	31.438	-11.398		
ATOM	2510	01		173	2.656		-11.390	1.000	61 50
ATOM	2511	01		174	-7.993	19.195		1.000	
MOTA	2512	01		175	-7.725	9.838	10.116		
ATOM	2513	01	HOH W	176	10.217	8.209	35.322		52.55
ATOM	2514	01	HOH W	177	22.886	18.048		1.000	
ATOM	2515	01	HOH W	178	13.259	6.843	29.204		37.28
ATOM	2516	01	HOH W	179	-11.344	39.086	20.797		
ATOM	2517	01	HOH W	180	13.661	33.712		1.000	
ATOM	2518	01	HOH W		-3.554	0.841	36.601		
MOTA	2519	01	HOH W		2.483	16.905		1.000	
ATOM	2520	01		183	20.094	7.002	12.783	1.000	44.53
	2521	01		184	13.549	19.866	-1.559	1.000	51.39
ATOM	2522	01		185	11.649	-2.468	19.869	1.000	58.70
ATOM	2523	01		186	-11.387	9.057	20.869		50.26
ATOM			HOH W		2.270	53.746			77.69
ATOM	2524	01	HOH W		7.272	43.089	10.416		40.06
ATOM	2525	01	HOH W		-10.704	43.630	20.531		
ATOM	2526	01			-10.764	31.212	-6.317		
MOTA	2527	01		190	9.522	6.064	4.334		
ATOM	2528	01		191	16.516	16.717	21.174		
ATOM	2529	01		192			20.284		
ATOM	2530	01		193	-0.857	36.253	22.970		34.08
ATOM	2531	01	HOH W		18.504	18.275	-17.383		
MOTA	2532	01		195	5.801		42.079	1 000	47.44
ATOM	2533	01	HOH W		-7.990	22.703	36.401		
MOTA	2534	01	HOH W		-6.632	16.747			
MOTA	2535	01	HOH W	198	-11.815	21.607	16.468		
MOTA	2536	01	HOH W		-2.843		-11.634	1.000	33.04
MOTA	2537	01	HOH W	200	-10.429	21.931		1.000	
ATOM	2538	01	HOH W	201	-12.782	11.466	36.315		
MOTA	2539	01	HOH W	202	-1.120	8.730		1.000	
ATOM	2540	01	HOH W		7.752	27.565	23.146		
ATOM	2541	01	HOH W		-4.173	17.946	-3.218		
MOTA	2542	01	HOH W		-12.084	5.496	19.653		
ATOM	2543	01	HOH W		1.514	0.000	33.985		
ATOM	2544	01	HOH W		-4.358	32.825	-9.953	1.000	43.82
	2545	01	HOH W		14.414	14.005	29.829		
ATOM	2546	01	HOH W		22.352	27.139			
ATOM		01	HOH W		-12.128	21.274			39.35
ATOM	2547	OI	11011 W	210	12.120				

ATOM	2548	01	HOH W	211	-15.431	29.589	23.297		
ATOM	2549	01	HOH W	212	15.717	21.134	2.051	1.000	44.92
ATOM	2550	01	нон м		22.149	19.371	9.989	1.000	42.03
MOTA	2551	01	HOH W		-12.478	28.555	38.340	1.000	49.23
	2552	01	HOH W		-10.373	26.583	11.557		78.42
MOTA					5.904	28.076	21.168		
MOTA	2553	01	HOH W				10.622		
ATOM	2554	01	HOH W		18.063	28.353			
MOTA	2555	01	HOH W		5.741	29.596	34.757		
ATOM	2556	01	HOH W		23.482	28.211	28.256		
MOTA	2557	01	HOH W		20.729	22.839	22.289		
ATOM	2558	01	HOH W	221	-13.743	23.631	15.768		
MOTA	2559	01	HOH W	222	0.808	4.763	11.965		
ATOM	2560	01	HOH W	223	19.695	26.083	30.808	1.000	48.34
ATOM	2561	01	HOH W	224	-10.086	39.766	26.571	1.000	37.07
ATOM	2562	01	HOH W	225	-8.185	26.002	12.785	1.000	43.04
ATOM	2563	01	HOH W	226	-15.767	14.896	27.476	1.000	47.84
ATOM	2564	01	HOH W		-8.943	41.210	23.852	1.000	51.44
ATOM	2565	01	HOH W		-13.243	38.293		1.000	
ATOM	2566	01	HOH W		18.663	0.325	20.946		
ATOM	2567	01	HOH W		12.773	6.887	31.536		
ATOM	2568	01	HOH W		-7.081	32.709	-9.020		
			HOH W		-14.685	24.271	19.574		
ATOM	2569	01	HOH W		1.541	7.037	10.861		
ATOM	2570	01			17.407	14.624	24.034		
ATOM	2571	01	HOH W				4.255		
MOTA	2572	01	HOH W		-8.898	25.154			
MOTA	2573	01	HOH W		9.061	28.544	24.947		
MOTA	2574	01	HOH M		-13.663	15.439	32.214	1.000	
ATOM	2575	01	HOH W		13.791	17.581	34.085		
MOTA	2576	01	HOH W		-11.961	16.055	13.445		
MOTA	2577	01	HOH W		15.223	9.544	28.176		
MOTA	2578	01	HOH W		-13.353	32.529	7.227		
MOTA	2579	01	HOH W	242	8.996	26.371	-16.754	1.000	
MOTA	2580	01	HOH W	243	6.092	23.068	-5.367	1.000	48.87
ATOM	2581	01	HOH W	244	22.747	32.593	25.452		
MOTA	2582	01	HOH W	245	-0.304	32.548	-11.298		
ATOM	2583	01	HOH W	246	-4.988	-3.152	23.809	1.000	62.34
ATOM	2584	01	HOH W	247	1.129	39.597	-7.798	1.000	53.14
ATOM	2585	01	HOH W		-6.772	14.727	4.405	1.000	81.57
ATOM	2586	01	HOH W		17.223	10.068	27.178	1.000	40.37
ATOM	2587	01	HOH W		17.655				
ATOM	2588	01	HOH W		4.037	7.351		1.000	58.42
ATOM	2589	01	HOH W		-1.828	7.240	33.526		
		01	HOH W		-12.257	12.014	23.313		
MOTA	2590	01	HOH W		18.878	30.723	23.928		
ATOM	2591				-2.406	13.001	35.608		
MOTA	2592	01	HOH W			42.639	18.634		
ATOM	2593	01	HOH W		0.100		-0.776		
MOTA	2594	01	HOH W		8.781	15.841			
ATOM	2595	01	HOH W		8.836	41.627	14.232		
ATOM	2596	01	HOH W		10.082	41.227		1.000	
ATOM	2597	01	HOH W		16.536	4.886	29.969		
ATOM	2598	01	HOH W		8.904	2.996	11.102		
MOTA	2599	01	HOH W	262	17.169	18.558	5.383	1.000	42.46

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ATOM	2600	01	HOH W	263	22.449	12.846	9.882	
MOTA	2601	01	HOH W	264	11.441	22.960		1.000 46.40
ATOM	2602	01	HOH W	265	12.891	35.186		1.000 59.81
MOTA	2603	01	HOH W	266	-13.897	24.909		1.000 45.86
ATOM	2604	01	HOH W	267	19.060	9.563		1.000 45.48
ATOM	2605	01		268	3.802	25.392	-14.805	1.000 50.59
ATOM	2606	01		269	16.184	28.549	22.110	1.000 43.02
ATOM	2607	01		270	-1.154	37.399	-12.192	1.000 53.68
ATOM	2608	01	HOH W		-4.123	-5.269	18.602	1.000 79.29
ATOM	2609	01	HOH W		-7.384	2.425	21.048	1.000 57.48
ATOM	2610	01	HOH W		18.456	25.557	18.479	1.000 44.20
ATOM	2611	01		274	6.328	1.205	9.458	1.000 59.21
	2612	01	HOH W	275	-14.117	5.491	34.696	1.000 60.85
ATOM	2613	01		276	-10.629	13.583		1.000 45.87
ATOM		01		277	-11.913	20.085		1.000 51.46
ATOM	2614			278	-8.375	43.387	4.147	1.000 45.52
ATOM	2615	01	HOH W		-9.702	-4.797		
ATOM	2616	01	HOH W		-12.340	25.454		1.000 58.08
MOTA	2617	01	HOH W		-4.825	10.727		1.000 55.18
ATOM	2618	01	HOH W		-0.469	27.271		
MOTA	2619	01			1.342	6.223		
MOTA	2620	01	HOH W	283	-13.187	3.566	20.610	
MOTA	2621	01	HOH W		-10.963	-4.464		1.000 70.44
MOTA	2622	01		285		7.263	5.127	1.000 59.07
MOTA	2623	01	HOH W		2.082	31.030		1.000 42.90
ATOM	2624	01	HOH W		-14.375	23.344		1.000 42.75
ATOM	2625	01	HOH W		-13.932	31.449	2.357	1.000 37.15
MOTA	2626	01	HOH W		-10.496	42.393	1.278	1.000 37.13
MOTA	2627	01	HOH W		-5.935		38.937	1.000 98.13
MOTA	2628	01	HOH W	291	-2.417	29.064	3.591	1.000 54.78
MOTA	2629	01	HOH W	292	4.370	7.161 29.567	-1.765	1.000 45.21
ATOM	2630	01	HOH W		-12.101		6.924	1.000 43.21
MOTA	2631	01	HOH W		-2.974	52.167		1.000 55.54
ATOM	2632	01	HOH W		6.373	24.732		1.000 33.34
MOTA	2633	01	HOH W		5.144	2.212		1.000132.13
ATOM	2634	01	HOH W		4.119			1.000 63.04
MOTA	2635	01	HOH W		-6.584	46.120	5.004	
MOTA	2636	01	HOH W	299	17.182	15.542	27.047	
MOTA	2637	01	HOH W		12.276	33.194	-3.953	
ATOM	2638	01	HOH W		4.057	25.805	36.737	
MOTA	2639	01	HOH W		17.210	27.508		1.000 43.16
ATOM	2640	01	HOH W		-13.383	20.836		1.000 53.40
MOTA	2641	01	HOH W		19.482	17.276		1.000 60.44
MOTA	2642	01	HOH W		-6.950	41.249		1.000 53.64
ATOM	2643	01	HOH W		-10.165	8.508		1.000 61.15
ATOM	2644	01	HOH W		4.134	19.769		1.000 52.25
ATOM	2645	01	HOH W		3.101	15.563		1.000 45.06
ATOM	2646	01	HOH W		8.724	40.739		1.000 47.08
MOTA	2647	01	HOH W	310	-10.535	2.414	25.587	1.000 88.70
END								

				~ -	0 115		00 0	00 00	90.00	P 21 21 21
CRYST1	38.		69.			7.777			10.240	1.00 48.36
ATOM	1	N	LYS		19		.362	32.383		1.00 47.56
ATOM	2	CA	LYS		19		. 935	33.412	9.318	
ATOM	3	CB		Α	19		.789	34.414	10.102	1.00 48.40
ATOM	4	CG		A	19		.107	34.813	9.444	1.00 50.42
ATOM	5	CD	LYS	Α	19		.509	36.212	9.896	1.00 51.36
ATOM	6	CE	LYS	Α	19	-17	.815	36.655	9.263	1.00 52.93
ATOM	7	ΝZ	LYS	Α	19		.963	36.009	9.969	1.00 50.02
ATOM	8	С	LYS	Α	19		.885	34.153	8.487	1.00 45.61
ATOM	9	0	LYS	Α	19	-12	.823	33.994	7.265	1.00 46.13
ATOM	10	N	THR	Α	20	-12	.070	34.966	9.153	1.00 43.56
ATOM	11	CA	THR	Α	20	-11	.312	35.995	8.460	1.00 40.00
ATOM	12	CB	THR	Α	20	-11	.081	37.248	9.348	1.00 41.25
ATOM	13	OG1	THR	Α	20	-11	.320	38.444	8.598	1.00 41.63
ATOM	14	CG2	THR		20	<b>-</b> 9	.647	37.393	9.810	1.00 43.82
ATOM	15	C	THR		20	-10	.091	35.385	7.764	1.00 36.65
ATOM	16	Ō	THR		20		.557	34.349	8.149	1.00 34.08
ATOM	17	N	SER		21		.707	36.004	6.662	1.00 33.82
ATOM	18	CA	SER		21		.158	35.238	5.553	1.00 31.39
ATOM	19	CB	SER		21		.279	34.427	4.900	1.00 32.67
ATOM	20	OG	SER		21		.913	33.919	3.630	1.00 34.27
ATOM	21	C	SER		21		.654	36.302	4.606	1.00 31.16
	22	0	SER		21		.312	37.328	4.434	1.00 30.44
ATOM	23	N	CYS		22		.494	36.064	4.005	1.00 28.46
ATOM		CA	CYS		22		.989	36.913	2.927	1.00 28.63
ATOM	24 25	CB	CYS		22		.891	37.819	3.465	1.00 28.57
ATOM					22		.413	38.961	4.757	0.50 34.99
ATOM	26		ACYS				.652	39.300	2.462	0.50 30.02
ATOM	27		BCYS		22 22		.377	36.077	1.801	1.00 26.91
ATOM	28	C	CYS		22		.154	35.976	1.717	1.00 26.74
ATOM	29	0	CYS					35.459	0.965	1.00 27.39
ATOM	30	N	PRO		23		.204	34.571	-0.080	1.00 27.48
ATOM	31	CA	PRO		23		.683	33.853	-0.574	1.00 28.38
MOTA	32	CB	PRO		23		.934		-0.368	1.00 20.30
MOTA	33	CG	PRO		23		.993	34.875	0.952	1.00 30.20
ATOM	34	CD	PRO		23		.674	35.517	-1.185	1.00 27.17
ATOM	35	С	PRO		23		.036	35.395		1.00 27.63
MOTA	36	0	PRO		23		.513	36.495	-1.487	1.00 25.89
ATOM	37	N	ILE		24		.929	34.890	-1.723	1.00 23.89
ATOM	38	CA	ILE		24		.148	35.595	-2.723	
MOTA	39	СВ	ILE		24		.747	35.890	-2.154	1.00 25.01
MOTA	40	CG1	ILE		24		.821	36.742	-0.873	1.00 23.94
MOTA	41	CD1			24		.654	38.013	-1.033	1.00 28.76
MOTA	42	CG2			24		.845	36.467	-3.229	1.00 24.43
ATOM	43	С	ILE		24		.044	34.641	-3.898	1.00 24.73
ATOM	44	0	ILE		24		.774	33.445	-3.719	1.00 24.14
ATOM	45	N	LYS		25		.262	35.138	-5.112	1.00 23.63
ATOM	46	CA	LYS	Α	25		.158	34.245	-6.261	1.00 23.86
ATOM	47	CB	LYS	Α	25		.639	34.948	-7.538	1.00 25.41
ATOM	48	CG	LYS	Α	25		.138	35.188	-7.552	1.00 29.05
ATOM	49	CD	LYS	Α	25		.540	35.965	-8.799	
ATOM	50	CE	LYS	Α	25		.054	36.059	-8.951	1.00 40.89
ATOM	51	NZ	LYS	Α	25	-8	.390	36.581	-10.313	1.00 45.05

MOTA	52	С	LYS A	25	-2.688	33.885	-6.407	1.00 22.99
MOTA	53	0	LYS A	25	-1.823	34.725	-6.195	1.00 23.91
ATOM	54	N	ILE A	26	-2.374	32.643	-6.762	1.00 24.14
ATOM	55	CA	ILE A	26	-0.961	32.283	-6.723	1.00 26.45
ATOM	56	СВ	ILE A	26	-0.718	30.774	-6.781	1.00 26.63
ATOM	57	CG1	ILE A	26	-1.088	30.233	-8.158	1.00 25.40
ATOM	58	CD1	ILE A	26	-0.405	28.926	-8.497	1.00 33.92
ATOM	59	CG2	ILE A	26	-1.424	30.068	-5.616	1.00 25.53
	60	C	ILE A	26	-0.148	33.072	-7.745	1.00 28.11
ATOM			ILE A	26	1.003	33.402	-7.493	1.00 30.02
ATOM	61	0		27	-0.770	33.454	-8.855	1.00 30.78
ATOM	62	N	ASN A			34.223	-9.862	1.00 35.08
ATOM	63	CA	ASN A	27	-0.033		-11.236	1.00 33.00
ATOM	64	CB	ASN A	27	-0.710	34.094		
MOTA	65	CG	ASN A	27	-1.552	32.824		1.00 40.82
ATOM	66	OD1	ASN A	27	-1.093		-11.915	1.00 44.00
MOTA	67	ND2		27	-2.770		-10.778	1.00 42.15
MOTA	68	С	ASN A	27	0.174	35.683	-9.455	1.00 34.87
MOTA	69	0	ASN A	27	0.938		-10.098	1.00 38.32
MOTA	70	N	GLN A	28	-0.491	36.100	-8.379	1.00 33.79
ATOM	71	CA	GLN A	28	-0.283	37.411	-7.776	1.00 33.05
ATOM	72	CB	GLN A	28	-1.633	38.093	-7.546	1.00 34.54
ATOM	73	CG	GLN A	28	-2.004	39.014	-8.699	1.00 40.43
ATOM	74	CD	GLN A	28	-3.422	38.827	-9.172	1.00 46.19
ATOM	75	OE1	GLN A	28	-4.339	38.673	-8.362	1.00 49.62
ATOM	76	NE2	GLN A	28	-3.612	38.845	-10.491	1.00 49.01
MOTA	77	С	GLN A	28	0.520	37.409	-6.478	1.00 31.93
ATOM	78	Ō	GLN A	28	0.823	38.469	-5.920	1.00 30.78
MOTA	79	N	PHE A	29	0.863	36.216	-5.996	1.00 31.01
ATOM	80	CA	PHE A	29	1.573	36.132	-4.720	1.00 29.71
ATOM	81	CB	PHE A	29	1.805	34.688	-4.249	1.00 29.10
ATOM	82	CG	PHE A	29	2.257	34.608	-2.809	1.00 25.53
ATOM	83	CD1	PHE A	29	1.331	34.519	-1.790	1.00 25.89
ATOM	84	CE1	PHE A	29	1.749	34.470	-0.465	1.00 25.38
ATOM	85	CZ	PHE A	29	3.101	34.545	-0.156	1.00 23.03
ATOM	86	CE2	PHE A	29	4.024	34.658	-1.171	1.00 22.38
	87	CD2	PHE A	29	3.608	34.678	-2.481	1.00 22.17
ATOM		CDZ	PHE A	29	2.872	36.930	-4.662	1.00 31.08
MOTA	88			29	3.104	37.662	-3.690	1.00 30.41
MOTA	89	0	PHE A	30	3.719	36.779	-5.680	1.00 30.41
ATOM	90	N	GLU A			37.388	-5.633	1.00 30.00
ATOM	91	CA	GLU A	30	5.044		-6.953	1.00 32.03
ATOM	92	CB	GLU A	30	5.766	37.120		1.00 33.47
MOTA	93	CG	GLU A	30	7.107	37.828	-7.096	
ATOM	94	CD	GLU A	30	8.210	37.192	-6.273	1.00 41.01
ATOM	95	OE1		30	8.324	35.942	-6.263	1.00 41.31
ATOM	96		GLU A	30	8.972	37.954	-5.638	1.00 43.55
MOTA	97	С	GLU A	30	4.913	38.890	-5.391	1.00 32.57
MOTA	98	0	GLU A	30	5.570	39.475	-4.523	1.00 31.57
ATOM	99	N	GLY A	31	4.031	39.504	-6.171	1.00 34.44
MOTA	100	CA	GLY A	31	3.688	40.905	-5.986	1.00 35.40
ATOM	101	С	GLY A	31	2.984	41.274	-4.697	1.00 35.45
MOTA	102	0	GLY A	31	3.285	42.311	-4.102	1.00 36.66
ATOM	103	N	HIS A	32	2.040	40.449	-4.250	1.00 35.17

ATOM	104	CA	HIS .	Α	32	1.406	40.666	-2.953	1.00 34.19
ATOM	105	CB	HIS .	Α	32	0.377	39.571	-2.650	1.00 33.45
ATOM	106	CG	HIS .	A	32	-0.137	39.576	-1.239	1.00 35.35
MOTA	107	ND1	HIS .	Α	32	-1.005	40.533	-0.759	1.00 34.86
ATOM	108	CE1	HIS.	Α	32	-1.294	40.275	0.504	1.00 38.34
ATOM	109	NE2	HIS.	A	32	-0.667	39.165	0.856	1.00 39.21
ATOM	110	CD2	HIS	Α	32	0.072	38.714	-0.212	1.00 36.26
ATOM	111	С	HIS	Α	32	2.471	40.749	-1.861	1.00 33.35
ATOM	112	0	HIS	Α	32	2.461	41.663	-1.037	1.00 31.23
ATOM	113	N	PHE	A	33	3.409	39.806	-1.884	1.00 32.01
ATOM	114	CA	PHE	Α	33	4.435	39.728	-0.852	1.00 31.66
ATOM	115	CB	PHE	Α	33	5.168	38.384	-0.942	1.00 32.90
MOTA	116	CG	PHE	A	33	6.024	38.057	0.254	1.00 30.75
ATOM	117	CD1	PHE	Α	33	5.708	38.529	1.524	1.00 34.33
ATOM	118	CE1	PHE		33	6.507	38.213	2.616	1.00 34.24
ATOM	119	CZ	PHE		33	7.643	37.424	2.450	1.00 35.46
ATOM	120	CE2	PHE		33	7.961	36.943	1.186	1.00 32.02
ATOM	121	CD2	PHE	Α	33	7.145	37.255	0.106	1.00 27.29
MOTA	122	С	PHE		33	5.395	40.917	-0.953	1.00 31.91
ATOM	123	0	PHE		33	5.757	41.484	0.077	1.00 30.81
ATOM	124	N		Α	34	5.784	41.309	-2.170	1.00 31.13
ATOM	125	CA		Α	34	6.599	42.512	-2.328	1.00 34.10
ATOM	126	CB		Α	34	6.951	42.790	-3.797	1.00 33.71
ATOM	127	CG		Α	34	7.918	41.787	-4.410	1.00 36.64
ATOM	128	SD		Α	34	9.456	41.519	-3.504	1.00 45.35
ATOM	129	CE	MET	Α	34	10.582	40.969	-4.820	1.00 46.02
ATOM	130	С	MET		34	5.903	43.709	-1.674	1.00 33.09
ATOM	131	0		Α	34	6.504	44.406	-0.866	1.00 34.24
ATOM	132	N	LYS	Α	35	4.629	43.919	-1.996	1.00 35.14
ATOM	133	CA	LYS		35	3.835	44.999	-1.411	1.00 35.12
ATOM	134	СВ	LYS		35	2.416	44.986	-1.990	1.00 36.58
ATOM	135	CG	LYS		35	2.372	45.164	-3.500	1.00 39.86
ATOM	136	CD	LYS		35	1.013	45.684	-3.944	1.00 44.78
ATOM	137	CE	LYS		35	1.181	46.751	-5.007	1.00 46.40
ATOM	138	NZ	LYS		35	1.355	46.127	-6.352	1.00 48.36
ATOM	139	С	LYS		35	3.808	44.960	0.122	1.00 35.83
MOTA	140	0	LYS		35	4.075	45.958	0.793	1.00 34.45
ATOM	141	N	LEU	Α	36	3.505	43.799	0.695	1.00 34.49
ATOM	142	CA	LEU	Α	36	3.546	43.658	2.144	1.00 33.34
ATOM	143	СВ	LEU	Α	36	3.238	42.218	2.534	1.00 33.70
ATOM	144	CG	LEU		36	1.800	41.748	2.349	1.00 34.08
ATOM	145	CD1			36	1.759	40.272	2.714	1.00 39.25
MOTA	146		LEU		36	0.827	42.549	3.202	1.00 35.36
ATOM	147	С	LEU		36	4.908	44.006	2.720	1.00 34.23
ATOM	148	0	LEU		36	5.017	44.469	3.855	1.00 32.77
ATOM	149	N	GLN		37	5.952	43.758	1.934	1.00 36.11
ATOM	150	CA	GLN		37	7.315	43.871	2.434	1.00 38.15
ATOM	151	СВ	GLN		37	8.226	42.852	1.746	1.00 39.69
ATOM	152	CG	GLN		37	8.393	41.537	2.507	1.00 41.08
ATOM	153	CD	GLN		37	9.248	40.543	1.750	1.00 42.50
ATOM	154		GLN		37	10.228	40.029	2.281	1.00 46.33
ATOM	155		GLN		37	8.882	40.274	0.505	1.00 46.39

ATOM 157 O GLN A 37 8.913 45.600 2.881 1.00 38.73 ATOM 158 N ALA A 38 7.219 46.099 1.481 1.00 38.73 ATOM 159 CA ALA A 38 7.634 47.480 1.237 1.00 41.68 ATOM 160 CB ALA A 38 7.634 47.480 1.237 1.00 41.68 ATOM 161 C ALA A 38 7.634 47.480 1.237 1.00 41.68 ATOM 162 O ALA A 38 7.638 48.288 2.538 1.00 42.41 ATOM 163 N ASP A 38 7.638 48.288 2.538 1.00 42.41 ATOM 163 N ASP A 39 8.358 49.408 2.545 1.00 43.16 ATOM 164 CA ASP A 39 8.490 50.253 3.731 1.00 43.58 ATOM 165 CB ASP A 39 7.222 51.066 3.995 1.00 43.94 ATOM 166 CG ASP A 39 6.539 51.521 2.733 1.00 46.50 ATOM 167 OD1 ASP A 39 6.539 51.521 2.733 1.00 46.50 ATOM 168 OD2 ASP A 39 6.539 51.521 2.733 1.00 46.50 ATOM 170 O ASP A 39 8.062 49.653 5.991 1.00 44.78 ATOM 171 N SER A 40 9.823 48.663 5.025 1.00 44.57 ATOM 172 CA SER A 40 10.177 47.964 6.256 1.00 44.57 ATOM 173 CB SER A 40 10.697 48.954 7.308 1.00 45.60 ATOM 176 O SER A 40 10.697 48.954 7.308 1.00 45.60 ATOM 177 N ASP A 41 8.410 46.338 5.925 1.00 44.23 ATOM 176 O SER A 40 11.858 49.640 6.855 1.00 44.57 ATOM 177 N ASP A 41 8.410 46.338 5.927 1.00 44.23 ATOM 178 CA ASN A 41 8.410 46.338 5.927 1.00 42.57 ATOM 179 CB ASN A 41 8.450 46.256 1.00 47.07 ATOM 179 CB ASN A 41 8.733 45.448 6.293 1.00 42.57 ATOM 180 CA ASN A 41 8.733 45.448 6.293 1.00 42.57 ATOM 181 OD1 ASN A 41 8.753 43.268 5.350 1.00 44.57 ATOM 183 C ASN A 41 8.753 43.268 5.350 1.00 40.97 ATOM 184 O ASN A 41 8.753 43.268 5.350 1.00 40.97 ATOM 185 N TYR A 42 4.723 48.184 6.859 1.00 43.54 ATOM 186 CA TYR A 42 4.655 45.570 7.559 1.00 43.25 ATOM 180 CG TYR A 42 4.723 48.184 6.859 1.00 43.74 ATOM 181 OD1 ASN A 41 8.753 43.268 5.350 1.00 40.97 ATOM 184 O ASN A 41 8.753 43.268 5.350 1.00 40.97 ATOM 187 CR TYR A 42 4.655 49.528 6.559 1.00 43.74 ATOM 189 CD1 TYR A 42 4.655 49.528 6.559 1.00 43.54 ATOM 180 CG ASN A 41 8.753 43.268 5.350 1.00 40.97 ATOM 181 OD1 ASN A 41 8.753 43.268 5.350 1.00 40.97 ATOM 189 CD1 TYR A 42 4.655 49.528 6.559 1.00 43.47 ATOM 189 CD TYR A 42 4.655 49.528 6.559 1.00 40.35 ATOM 199 CB TYR A 42 4.663 44.7264 6.993 1.00 5.15 ATOM 199 CB TYR A	ATOM	156	С	GLN A	37	7.88	8 45.280	2.283	1.00 39.26
ATOM 158 N ALA A 38 7.219 46.099 1.481 1.00 39.85 ATOM 160 CB ALA A 38 7.634 47.480 1.237 1.00 41.86 ATOM 161 C ALA A 38 7.634 47.480 1.237 1.00 41.86 ATOM 161 C ALA A 38 7.638 48.288 2.538 1.00 42.41 ATOM 162 O ALA A 38 7.638 48.288 2.538 1.00 42.41 ATOM 163 N ASP A 39 8.358 49.408 2.545 1.00 43.16 ATOM 164 CA ASP A 39 8.450 50.253 3.731 1.00 43.58 ATOM 165 CB ASP A 39 8.450 50.253 3.731 1.00 43.58 ATOM 166 CG ASP A 39 7.222 51.066 3.995 1.00 43.94 ATOM 167 OD1 ASP A 39 5.474 52.165 2.853 1.00 53.16 ATOM 168 OD2 ASP A 39 6.539 51.521 2.733 1.00 51.525 ATOM 169 C ASP A 39 6.982 51.279 1.592 1.00 51.25 ATOM 169 C ASP A 39 8.782 49.487 5.011 1.00 43.69 ATOM 171 N SER A 40 9.823 48.663 5.025 1.00 44.78 ATOM 172 CA SER A 40 10.177 47.964 6.256 1.00 44.78 ATOM 173 CB SER A 40 10.177 47.964 6.256 1.00 44.51 ATOM 174 OG SER A 40 10.697 48.954 7.308 1.00 45.60 ATOM 177 N ASN A 41 8.410 46.338 5.927 1.00 43.64 ATOM 177 N ASN A 41 8.410 46.338 5.927 1.00 42.57 ATOM 178 CA ASN A 41 8.410 46.338 5.927 1.00 42.57 ATOM 179 CB ASN A 41 8.450 47.477 7.879 1.00 42.57 ATOM 180 CG ASN A 41 8.50 47.477 7.879 1.00 42.57 ATOM 180 CG ASN A 41 8.50 47.477 7.879 1.00 42.57 ATOM 180 CG ASN A 41 8.50 47.477 7.879 1.00 42.57 ATOM 180 CG ASN A 41 8.50 47.477 7.879 1.00 42.57 ATOM 180 CG ASN A 41 8.50 47.477 7.879 1.00 42.57 ATOM 180 CG ASN A 41 8.50 47.477 7.879 1.00 42.57 ATOM 180 CG ASN A 41 8.525 43.225 6.559 1.00 43.25 ATOM 180 CG ASN A 41 8.50 47.477 7.879 1.00 42.57 ATOM 180 CG ASN A 41 8.50 47.477 7.879 1.00 42.57 ATOM 180 CG ASN A 41 8.50 47.477 7.7879 1.00 42.57 ATOM 180 CG ASN A 41 8.50 47.477 7.7879 1.00 42.57 ATOM 180 CG ASN A 41 8.50 47.477 7.7879 1.00 42.57 ATOM 180 CG ASN A 41 8.50 47.477 7.7879 1.00 42.57 ATOM 180 CG ASN A 41 8.50 47.477 7.7879 1.00 42.57 ATOM 180 CG ASN A 41 8.50 47.477 7.7879 1.00 42.57 ATOM 180 CG ASN A 41 8.50 47.4777 7.879 1.00 42.57 ATOM 180 CG ASN A 41 8.50 47.477 7.7879 1.00 42.57 ATOM 180 CG ASN A 41 8.50 47.477 7.7879 1.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.00 40.			0			8.91	3 45.600	2.881	1.00 38.73
ATOM 159 CA ALA A 38			N	ALA A	38	7.21	9 46.099	1.481	
ATOM 160 CB ALA A 38 6.717 48.129 0.200 1.00 40.33 ATOM 161 C ALA A 38 7.638 48.288 2.538 1.00 42.41 ATOM 162 O ALA A 38 7.603 48.288 2.538 1.00 42.41 ATOM 163 N ASP A 39 8.358 49.408 2.545 1.00 43.16 ATOM 165 CB ASP A 39 8.358 49.408 2.545 1.00 43.58 ATOM 166 CG ASP A 39 8.490 50.253 3.731 1.00 43.58 ATOM 166 CG ASP A 39 7.222 51.066 3.995 1.00 43.94 ATOM 166 CG ASP A 39 5.1521 2.733 1.00 46.53 ATOM 168 OD2 ASP A 39 6.539 51.521 2.733 1.00 46.53 ATOM 169 C ASP A 39 6.982 51.279 1.592 1.00 51.25 ATOM 169 C ASP A 39 8.782 49.487 5.011 1.00 43.69 ATOM 171 N SER A 40 9.823 48.663 5.025 1.00 44.78 ATOM 171 N SER A 40 10.177 47.964 6.256 1.00 44.78 ATOM 174 OG SER A 40 10.697 48.954 7.308 1.00 45.60 ATOM 175 C SER A 40 11.858 49.640 6.852 1.00 45.70 ATOM 176 O SER A 40 8.450 47.477 7.879 1.00 42.57 ATOM 177 N ASN A 41 8.410 46.338 5.927 1.00 42.57 ATOM 178 CA ASN A 41 7.802 44.364 7.264 1.00 42.57 ATOM 179 CB ASN A 41 8.550 43.255 6.559 1.00 44.25 ATOM 180 CG ASN A 41 8.555 43.255 6.559 1.00 44.25 ATOM 180 CG ASN A 41 8.555 43.255 6.559 1.00 44.25 ATOM 180 CG ASN A 41 8.555 43.255 6.559 1.00 42.57 ATOM 181 ODI ASN A 41 8.753 43.268 5.350 1.00 47.07 ATOM 182 ND2 ASN A 41 8.555 43.255 6.559 1.00 42.57 ATOM 183 C ASN A 41 8.555 43.255 6.559 1.00 42.57 ATOM 186 CA TYR A 42 4.723 48.184 6.859 1.00 40.99 ATOM 187 CB ASN A 41 8.753 43.268 5.350 1.00 47.07 ATOM 188 CG TYR A 42 4.723 48.184 6.859 1.00 40.99 ATOM 188 CG TYR A 42 4.723 48.184 6.859 1.00 40.35 ATOM 199 CEI TYR A 42 2.333 51.778 8.137 1.00 44.54 ATOM 199 CE LEU A 43 1.265 54.253 7.826 1.00 49.40 ATOM 199 CE LEU A 43 1.265 47.373 6.016 1.00 38.45 ATOM 199 CE LEU A 43 1.266 47.355 57.27 1.00 42.57 ATOM 199 CE LEU A 43 1.266 47.373 9.3455 1.00 38.45 ATOM 199 CE LEU A 43 1.266 47.373 9.3455 1.00 32.70 ATOM 200 CD LEU A 43 1.266 47.373 9.3455 1.00 34.58 ATOM 201 CD1 LEU A 43 1.266 47.373 9.3455 1.00 34.94 ATOM 202 CD2 LEU A 43 1.266 47.373 9.3455 1.00 34.94 ATOM 203 C LEU A 43 1.266 47.374 42.975 6.666 1.10 33.734 ATOM 203 C LEU A 43 1.266 47.376 6.666 1.10 33.734			CA			7.63	47.480	1.237	
ATOM 161 C ALA A 38						6.71	7 48.129	0.200	
ATOM 162 O ALA A 38						7.63	88 48.288	2.538	_
ATOM 163 N ASP A 39 8.358 49.408 2.545 1.00 43.16 ATOM 164 CA ASP A 39 8.490 50.253 3.731 1.00 43.58 ATOM 165 CB ASP A 39 7.222 51.066 3.995 1.00 43.94 ATOM 166 CG ASP A 39 6.539 51.521 2.733 1.00 46.50 ATOM 167 OD1 ASP A 39 6.539 51.521 2.733 1.00 46.50 ATOM 168 OD2 ASP A 39 6.982 51.279 1.592 1.00 51.25 ATOM 169 C ASP A 39 8.782 49.487 5.011 1.00 43.64 ATOM 170 O ASP A 39 8.062 49.653 5.991 1.00 44.78 ATOM 171 N SER A 40 9.823 48.663 5.025 1.00 44.51 ATOM 172 CA SER A 40 10.177 47.964 6.256 1.00 44.51 ATOM 173 CE SER A 40 10.697 48.954 7.308 1.00 45.60 ATOM 174 OG SER A 40 11.858 49.640 6.852 1.00 45.70 ATOM 175 C SER A 40 8.934 47.224 6.770 1.00 43.64 ATOM 177 N ASN A 41 8.410 46.338 5.927 1.00 43.64 ATOM 177 N ASN A 41 7.313 45.448 6.293 1.00 43.64 ATOM 179 CB ASN A 41 7.802 44.364 7.264 1.00 42.19 ATOM 180 CG ASN A 41 7.802 44.364 7.264 1.00 42.19 ATOM 181 OD1 ASN A 41 8.753 43.225 6.559 1.00 43.25 ATOM 183 C ASN A 41 8.555 43.225 6.559 1.00 40.97 ATOM 184 O ASN A 41 8.753 43.268 5.350 1.00 40.97 ATOM 185 N TYR A 42 4.723 48.184 6.859 1.00 40.93 ATOM 186 CA TYR A 42 4.723 48.184 6.859 1.00 40.93 ATOM 187 CB TYR A 42 4.723 48.184 6.859 1.00 40.93 ATOM 188 CG TYR A 42 4.723 48.184 6.859 1.00 40.35 ATOM 189 CD TYR A 42 3.341 51.021 7.753 1.00 49.40 ATOM 189 CD TYR A 42 3.341 51.021 7.753 1.00 49.41 ATOM 190 CEI TYR A 42 3.341 51.021 7.753 1.00 49.40 ATOM 191 CE TYR A 42 3.341 51.021 7.753 1.00 49.40 ATOM 192 OF TYR A 42 3.346 50.359 6.527 1.00 45.15 ATOM 194 CD2 TYR A 42 3.369 47.472 6.809 1.00 37.47 ATOM 195 C TYR A 42 3.369 47.472 6.809 1.00 37.47 ATOM 196 C TYR A 42 3.369 47.472 6.809 1.00 37.47 ATOM 197 CE LEU A 43 1.667 46.380 5.480 1.00 37.92 ATOM 199 CEI TYR A 42 3.369 47.472 6.809 1.00 37.47 ATOM 199 CE LEU A 43 1.667 46.392 4.021 1.00 37.34 ATOM 190 CEI TYR A 42 3.369 47.472 6.809 1.00 37.47 ATOM 190 CEI TYR A 42 3.369 47.472 6.809 1.00 38.45 ATOM 190 CEI TYR A 42 6.665 44.955 6.960 1.00 34.58 ATOM 201 CD1 LEU A 43 0.663 44.459 6.441 1.00 33.18 ATOM 202 CD LEU A 43 0.663 44.459 6.441 1.00 33.70 ATOM								3.515	
ATOM 164 CA ASP A 39								2.545	1.00 43.16
ATOM 165 CB ASP A 39								3.731	1.00 43.58
ATOM 166 CG ASP A 39								3.995	1.00 43.94
ATOM 167 OD1 ASP A 39								2.733	
ATOM 168 002 ASP A 39								2.853	1.00 53.13
ATOM 169 C ASP A 39 8.782 49.487 5.011 1.00 43.69 ATOM 170 O ASP A 39 8.062 49.653 5.991 1.00 44.78 ATOM 171 N SER A 40 9.823 48.663 5.025 1.00 44.47 ATOM 172 CA SER A 40 10.697 48.954 7.308 1.00 45.60 ATOM 174 OG SER A 40 11.858 49.640 6.852 1.00 44.47 ATOM 175 C SER A 40 11.858 49.640 6.852 1.00 45.70 ATOM 176 O SER A 40 8.934 47.224 6.770 1.00 43.64 ATOM 176 O SER A 40 8.450 47.477 7.879 1.00 43.64 ATOM 177 N ASN A 41 8.410 46.338 5.927 1.00 42.57 ATOM 178 CA ASN A 41 7.313 45.448 6.293 1.00 41.50 ATOM 179 CB ASN A 41 7.802 44.364 7.264 1.00 42.19 ATOM 180 CG ASN A 41 8.555 43.225 6.559 1.00 44.15 ATOM 180 ASN A 41 8.897 42.200 7.317 1.00 44.15 ATOM 180 CG ASN A 41 8.897 42.200 7.317 1.00 44.15 ATOM 180 CG ASN A 41 8.897 42.200 7.317 1.00 44.15 ATOM 180 CG ASN A 41 8.525 43.225 6.559 1.00 47.07 ATOM 182 ND2 ASN A 41 8.897 42.200 7.317 1.00 44.15 ATOM 183 C ASN A 41 5.262 45.570 7.559 1.00 40.97 ATOM 184 O ASN A 41 5.262 45.570 7.559 1.00 40.97 ATOM 185 N TYR A 42 4.723 48.184 6.859 1.00 40.97 ATOM 186 CA TYR A 42 4.655 49.528 6.125 1.00 41.74 ATOM 188 CG TYR A 42 4.655 49.528 6.125 1.00 41.74 ATOM 180 CD1 TYR A 42 3.431 51.021 7.753 1.00 48.34 ATOM 190 CE1 TYR A 42 3.431 51.021 7.753 1.00 48.34 ATOM 190 CE1 TYR A 42 2.333 51.778 8.137 1.00 51.74 ATOM 192 OH TYR A 42 1.246 51.877 7.287 1.00 52.92 ATOM 194 CD2 TYR A 42 1.256 51.277 6.665 1.00 40.97 ATOM 194 CD2 TYR A 42 1.256 51.277 6.606 1.00 59.92 ATOM 196 O TYR A 42 2.358 50.472 6.809 1.00 49.40 ATOM 197 N LEU A 43 1.250 51.227 6.666 1.00 37.47 ATOM 199 CB LEU A 43 1.266 47.355 7.826 1.00 37.47 ATOM 199 CB LEU A 43 1.265 46.392 4.021 1.00 36.77 ATOM 199 CB LEU A 43 1.265 47.355 7.826 1.00 37.47 ATOM 199 CB LEU A 43 1.265 47.355 7.826 1.00 37.47 ATOM 199 CB LEU A 43 1.265 47.355 7.826 1.00 37.47 ATOM 199 CB LEU A 43 1.265 47.355 7.826 1.00 37.47 ATOM 199 CB LEU A 43 1.265 46.392 4.021 1.00 36.77 ATOM 199 CB LEU A 43 1.265 46.392 4.021 1.00 36.77 ATOM 199 CB LEU A 43 1.265 46.392 4.021 1.00 37.34 ATOM 200 CG LEU A 43 0.530 47.603 3.1962 1.00 37.34 ATOM 200 CG								1.592	
ATOM 170								5.011	1.00 43.69
ATOM 171 N SER A 40 9.823 48.663 5.025 1.00 44.51 ATOM 172 CA SER A 40 10.177 47.964 6.256 1.00 44.47 ATOM 173 CB SER A 40 10.697 48.954 7.308 1.00 45.60 ATOM 174 OG SER A 40 11.858 49.640 6.852 1.00 45.70 ATOM 175 C SER A 40 8.934 47.224 6.770 1.00 44.23 ATOM 176 O SER A 40 8.450 47.477 7.879 1.00 42.57 ATOM 177 N ASN A 41 8.410 46.338 5.927 1.00 42.57 ATOM 178 CA ASN A 41 7.313 45.448 6.293 1.00 41.50 ATOM 179 CB ASN A 41 7.802 44.364 7.264 1.00 42.19 ATOM 180 CG ASN A 41 8.525 43.225 6.559 1.00 47.07 ATOM 181 OD1 ASN A 41 8.525 43.225 6.559 1.00 47.07 ATOM 182 ND2 ASN A 41 8.897 42.200 7.317 1.00 44.15 ATOM 183 C ASN A 41 6.051 46.146 6.805 1.00 40.97 ATOM 184 O ASN A 41 5.262 45.570 7.559 1.00 40.09 ATOM 185 N TYR A 42 4.723 48.184 6.859 1.00 40.35 ATOM 186 CA TYR A 42 4.723 48.184 6.859 1.00 40.35 ATOM 187 CB TYR A 42 4.655 49.528 6.125 1.00 41.74 ATOM 189 CD1 TYR A 42 3.431 51.021 7.553 1.00 48.34 ATOM 190 CE1 TYR A 42 3.431 51.021 7.553 1.00 48.34 ATOM 191 CZ TYR A 42 3.431 51.021 7.553 1.00 48.34 ATOM 192 OH TYR A 42 3.333 51.778 8.137 1.00 54.21 ATOM 193 CE2 TYR A 42 1.246 51.877 7.287 1.00 54.21 ATOM 194 CD2 TYR A 42 3.369 47.472 6.809 1.00 49.40 ATOM 195 C TYR A 42 3.369 47.472 6.809 1.00 49.40 ATOM 196 O TYR A 42 3.369 47.472 6.809 1.00 38.41 ATOM 199 CB LEU A 43 1.266 51.277 7.559 1.00 34.94 ATOM 199 CB LEU A 43 1.266 51.277 7.287 1.00 55.81 ATOM 199 CB LEU A 43 1.266 51.277 7.287 1.00 37.47 ATOM 199 CB LEU A 43 1.266 46.380 5.480 1.00 37.47 ATOM 199 CB LEU A 43 1.266 51.277 7.287 1.00 37.47 ATOM 199 CB LEU A 43 1.266 54.958 46.978 5.635 1.00 37.47 ATOM 199 CB LEU A 43 1.266 46.380 5.480 1.00 37.47 ATOM 199 CB LEU A 43 1.266 46.392 4.021 1.00 38.81 ATOM 200 CG LEU A 43 1.266 46.392 4.021 1.00 37.34 ATOM 201 CD1 LEU A 43 1.266 46.392 4.021 1.00 37.34 ATOM 202 CD2 LEU A 43 1.266 46.392 5.972 1.00 34.94 ATOM 200 CG LEU A 43 1.266 46.392 5.972 1.00 34.94 ATOM 200 CG LEU A 43 1.266 46.392 5.972 1.00 32.70 ATOM 200 CG LEU A 43 1.266 46.392 5.972 1.00 32.70 ATOM 200 CG LEU A 43 1.266 6.306 6.066 1.00 32.3								5.991	1.00 44.78
ATOM 172 CA SER A 40 10.177 47.964 6.256 1.00 44.47 ATOM 173 CB SER A 40 10.697 48.954 7.308 1.00 45.60 ATOM 174 OG SER A 40 11.858 49.640 6.852 1.00 45.70 ATOM 175 C SER A 40 8.934 47.224 6.770 1.00 44.23 ATOM 176 O SER A 40 8.450 47.477 7.879 1.00 42.57 ATOM 176 O SER A 40 8.450 47.477 7.879 1.00 42.57 ATOM 178 CA ASN A 41 7.313 45.448 6.293 1.00 41.50 ATOM 179 CB ASN A 41 7.302 44.364 7.264 1.00 42.19 ATOM 180 CG ASN A 41 8.525 43.225 6.559 1.00 43.25 ATOM 181 OD1 ASN A 41 8.753 43.225 6.559 1.00 43.25 ATOM 182 ND2 ASN A 41 8.753 43.268 5.350 1.00 41.50 ATOM 182 ND2 ASN A 41 8.897 42.200 7.317 1.00 44.15 ATOM 183 C ASN A 41 5.262 45.570 7.357 1.00 40.97 ATOM 184 O ASN A 41 5.262 45.570 7.559 1.00 40.97 ATOM 185 N TYR A 42 4.723 48.184 6.859 1.00 40.97 ATOM 186 CA TYR A 42 4.723 48.184 6.859 1.00 40.35 ATOM 187 CB TYR A 42 4.655 49.528 6.125 1.00 41.74 ATOM 189 CD1 TYR A 42 3.461 50.359 6.527 1.00 45.15 ATOM 190 CE1 TYR A 42 3.461 50.359 6.527 1.00 45.15 ATOM 191 CZ TYR A 42 3.461 50.359 6.527 1.00 45.15 ATOM 191 CZ TYR A 42 3.461 50.359 6.527 1.00 45.15 ATOM 192 OH TYR A 42 1.246 51.877 7.287 1.00 54.21 ATOM 193 CE2 TYR A 42 1.246 51.877 7.287 1.00 54.21 ATOM 194 CD2 TYR A 42 2.333 51.778 8.137 1.00 54.21 ATOM 195 C TYR A 42 3.431 51.021 7.753 1.00 48.34 ATOM 195 C TYR A 42 3.369 47.472 6.869 1.00 37.47 ATOM 196 CD TYR A 42 3.369 47.472 6.869 1.00 37.47 ATOM 197 N LEU A 43 1.266 51.227 6.065 1.00 52.92 ATOM 194 CD2 TYR A 42 2.358 50.472 5.690 1.00 49.40 ATOM 195 C TYR A 42 3.369 47.472 6.869 1.00 37.47 ATOM 199 CB LEU A 43 1.266 46.392 4.021 1.00 36.77 ATOM 199 CB LEU A 43 1.266 46.392 4.021 1.00 36.77 ATOM 199 CB LEU A 43 1.266 46.392 4.021 1.00 37.34 ATOM 203 C LEU A 43 1.266 44.953 6.016 1.00 37.34 ATOM 203 C LEU A 43 1.266 44.953 6.016 1.00 34.94 ATOM 203 C LEU A 43 1.266 6.344 4.950 5.972 1.00 33.18 ATOM 204 O LEU A 43 1.266 6.344 4.950 5.972 1.00 33.18 ATOM 204 O LEU A 43 1.266 6.344 4.950 5.972 1.00 33.18 ATOM 204 O LEU A 43 1.266 6.324 4.290 5.972 1.00 32.70 ATOM 206 CA LEU A 43 1.266 6.324 4.290 5.9								5.025	1.00 44.51
ATOM 173 CB SER A 40 10.697 48.954 7.308 1.00 45.60 ATOM 174 OG SER A 40 11.858 49.640 6.852 1.00 45.60 ATOM 175 C SER A 40 8.934 47.224 6.770 1.00 44.23 ATOM 176 O SER A 40 8.450 47.477 7.879 1.00 43.64 ATOM 177 N ASN A 41 8.410 46.338 5.927 1.00 42.57 ATOM 178 CA ASN A 41 7.313 45.448 6.293 1.00 41.55 ATOM 179 CB ASN A 41 7.802 44.364 7.264 1.00 42.19 ATOM 180 CG ASN A 41 8.525 43.225 6.559 1.00 43.25 ATOM 181 OD1 ASN A 41 8.897 42.200 7.317 1.00 44.15 ATOM 182 ND2 ASN A 41 8.897 42.200 7.317 1.00 44.09 ATOM 183 C ASN A 41 6.051 46.146 6.805 1.00 40.97 ATOM 185 N TYR A 42 4.723 48.184 6.859 1.00 40.99 ATOM 186 CA TYR A 42 4.655 49.528 6.125 1.00 41.74 ATOM 188 CG TYR A 42 4.655 49.528 6.125 1.00 41.74 ATOM 189 CD1 TYR A 42 3.461 50.359 6.527 1.00 45.15 ATOM 190 CE1 TYR A 42 3.431 51.021 7.753 1.00 45.15 ATOM 191 CZ TYR A 42 2.333 51.778 8.137 1.00 54.21 ATOM 192 OH TYR A 42 1.256 51.27 6.065 1.00 49.94 ATOM 193 CE2 TYR A 42 1.250 51.227 6.065 1.00 49.94 ATOM 194 CD2 TYR A 42 2.358 50.472 5.690 1.00 49.40 ATOM 195 C TYR A 42 2.358 50.472 5.690 1.00 49.40 ATOM 196 O TYR A 42 2.358 50.472 5.690 1.00 49.40 ATOM 197 N LEU A 43 1.667 46.380 5.480 1.00 37.47 ATOM 198 CA LEU A 43 1.667 46.380 5.480 1.00 37.47 ATOM 199 CB LEU A 43 1.667 46.380 5.480 1.00 37.47 ATOM 199 CD LEU A 43 1.667 46.380 5.480 1.00 37.47 ATOM 199 CD LEU A 43 1.667 46.380 5.480 1.00 37.47 ATOM 199 CD LEU A 43 1.667 46.380 5.480 1.00 37.47 ATOM 199 CD LEU A 43 0.530 47.603 1.962 1.00 38.85 ATOM 202 CD2 LEU A 43 0.530 47.603 1.962 1.00 38.85 ATOM 203 C LEU A 43 0.613 44.459 6.441 1.00 33.18 ATOM 204 O LEU A 43 0.613 44.459 6.441 1.00 33.18 ATOM 204 O LEU A 44 2.812 44.290 5.972 1.00 32.70 ATOM 206 CA LEU A 44 2.812 44.290 5.972 1.00 32.70 ATOM 206 CA LEU A 44 2.812 44.290 5.972 1.00 32.70 ATOM 206 CA LEU A 44 2.812 44.290 5.972 1.00 32.70 ATOM 206 CA LEU A 44 2.812 44.290 5.972 1.00 32.70 ATOM 206 CA LEU A 44 2.812 44.290 5.972 1.00 32.70 ATOM 206 CA LEU A 44 2.812 44.290 5.972 1.00 32.70 ATOM 206 CA LEU A 44 2.812 44.290 5.972 1.00 32.70 ATOM 206								6.256	1.00 44.47
ATOM 174 OG SER A 40						10.69	97 48.954	7.308	1.00 45.60
ATOM 175 C SER A 40 8.934 47.224 6.770 1.00 44.23 ATOM 176 O SER A 40 8.450 47.477 7.879 1.00 43.64 ATOM 177 N ASN A 41 8.410 46.338 5.927 1.00 42.57 ATOM 178 CA ASN A 41 7.313 45.448 6.293 1.00 41.50 ATOM 179 CB ASN A 41 7.802 44.364 7.264 1.00 42.19 ATOM 180 CG ASN A 41 8.525 43.225 6.559 1.00 47.07 ATOM 181 OD1 ASN A 41 8.525 43.225 6.559 1.00 47.07 ATOM 182 ND2 ASN A 41 8.897 42.200 7.317 1.00 44.15 ATOM 183 C ASN A 41 6.051 46.146 6.805 1.00 40.97 ATOM 184 O ASN A 41 5.262 45.570 7.559 1.00 40.97 ATOM 185 N TYR A 42 5.842 47.383 6.370 1.00 39.82 ATOM 186 CA TYR A 42 4.723 48.184 6.859 1.00 40.35 ATOM 187 CB TYR A 42 4.655 49.528 6.125 1.00 41.74 ATOM 188 CG TYR A 42 3.461 50.359 6.527 1.00 45.15 ATOM 189 CD1 TYR A 42 3.461 50.359 6.527 1.00 45.15 ATOM 190 CE1 TYR A 42 2.333 51.778 8.137 1.00 51.74 ATOM 191 CZ TYR A 42 1.246 51.877 7.287 1.00 54.21 ATOM 192 OH TYR A 42 1.246 51.877 7.287 1.00 54.21 ATOM 193 CE2 TYR A 42 1.250 51.227 6.065 1.00 49.40 ATOM 194 CD2 TYR A 42 2.333 51.778 8.137 1.00 54.21 ATOM 196 O TYR A 42 2.358 50.472 5.690 1.00 49.40 ATOM 197 N LEU A 43 2.985 46.978 5.635 1.00 37.47 ATOM 199 CB LEU A 43 1.667 46.380 5.480 1.00 34.94 ATOM 199 CB LEU A 43 1.667 46.380 5.480 1.00 34.94 ATOM 199 CB LEU A 43 0.530 47.603 1.962 1.00 34.94 ATOM 200 CG LEU A 43 0.530 47.603 1.962 1.00 34.94 ATOM 201 CD1 LEU A 43 0.530 47.603 1.962 1.00 34.94 ATOM 202 CD2 LEU A 43 0.613 44.459 6.441 1.00 34.78 ATOM 204 O LEU A 43 0.613 44.459 5.972 1.00 32.70 ATOM 205 N LEU A 44 2.812 44.290 5.972 1.00 32.70 ATOM 206 CA LEU A 43 0.613 44.459 6.441 1.00 33.18 ATOM 206 CA LEU A 43 0.613 44.459 6.441 1.00 33.28								6.852	
ATOM 176 O SER A 40 8.450 47.477 7.879 1.00 43.64 ATOM 177 N ASN A 41 8.410 46.338 5.927 1.00 42.57 ATOM 178 CA ASN A 41 7.313 45.448 6.293 1.00 41.50 ATOM 179 CB ASN A 41 7.802 44.364 7.264 1.00 42.19 ATOM 180 CG ASN A 41 8.525 43.225 6.559 1.00 43.25 ATOM 181 OD1 ASN A 41 8.753 43.268 5.350 1.00 47.07 ATOM 182 ND2 ASN A 41 8.897 42.200 7.317 1.00 44.15 ATOM 183 C ASN A 41 6.051 46.146 6.805 1.00 40.97 ATOM 184 O ASN A 41 5.262 45.570 7.559 1.00 40.09 ATOM 185 N TYR A 42 5.842 47.383 6.370 1.00 39.82 ATOM 186 CA TYR A 42 4.655 49.528 6.125 1.00 41.74 ATOM 187 CB TYR A 42 4.655 49.528 6.125 1.00 41.74 ATOM 188 CG TYR A 42 3.461 50.359 6.527 1.00 45.15 ATOM 190 CE1 TYR A 42 3.431 51.021 7.753 1.00 48.34 ATOM 191 CZ TYR A 42 1.246 51.877 7.287 1.00 51.74 ATOM 192 OH TYR A 42 1.246 51.877 7.287 1.00 54.21 ATOM 193 CE2 TYR A 42 1.250 51.227 6.065 1.00 52.92 ATOM 196 O TYR A 42 2.358 50.472 5.690 1.00 49.40 ATOM 197 N LEU A 43 3.369 47.472 6.809 1.00 34.94 ATOM 199 CB LEU A 43 1.205 46.392 4.021 1.00 34.94 ATOM 199 CB LEU A 43 1.205 46.392 4.021 1.00 34.94 ATOM 199 CB LEU A 43 1.205 46.392 4.021 1.00 34.94 ATOM 199 CB LEU A 43 1.205 46.392 4.021 1.00 34.54 ATOM 199 CB LEU A 43 1.205 46.392 4.021 1.00 34.94 ATOM 200 CG LEU A 43 0.530 47.603 1.962 1.00 37.47 ATOM 201 CD1 LEU A 43 0.530 47.603 1.962 1.00 37.47 ATOM 202 CD2 LEU A 43 0.613 44.459 6.441 1.00 33.18 ATOM 203 C LEU A 43 0.613 44.459 6.441 1.00 33.18 ATOM 204 O LEU A 43 0.613 44.459 6.441 1.00 33.18 ATOM 205 N LEU A 44 2.812 44.290 5.972 1.00 32.70 ATOM 206 CA LEU A 44 2.812 44.290 5.972 1.00 32.70								6.770	1.00 44.23
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ATOM 201 CD1 LEU A 43 0.530 47.603 1.962 1.00 38.85 ATOM 202 CD2 LEU A 43 -0.567 48.164 4.139 1.00 37.34 ATOM 203 C LEU A 43 1.660 44.953 6.016 1.00 34.58 ATOM 204 O LEU A 43 0.613 44.459 6.441 1.00 33.18 ATOM 205 N LEU A 44 2.812 44.290 5.972 1.00 32.70 ATOM 206 CA LEU A 44 2.917 42.976 6.606 1.00 32.37	ATOM		CB						
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ATOM 203 C LEU A 43 1.660 44.953 6.016 1.00 34.58 ATOM 204 O LEU A 43 0.613 44.459 6.441 1.00 33.18 ATOM 205 N LEU A 44 2.812 44.290 5.972 1.00 32.70 ATOM 206 CA LEU A 44 2.917 42.976 6.606 1.00 32.37	ATOM								
ATOM 204 O LEU A 43 0.613 44.459 6.441 1.00 33.18 ATOM 205 N LEU A 44 2.812 44.290 5.972 1.00 32.70 ATOM 206 CA LEU A 44 2.917 42.976 6.606 1.00 32.37									
ATOM 204 0 LEU A 44 2.812 44.290 5.972 1.00 32.70 ATOM 205 CA LEU A 44 2.917 42.976 6.606 1.00 32.37 2.917 42.976 6.606 1.00 32.37	MOTA								
ATOM 206 CA LEU A 44 2.917 42.976 6.606 1.00 32.37	MOTA								
ATOM 200 CA 1150 A 44 2 276 6 458 1 00 32 08	MOTA								
ATOM 207 CB LEU A 44 4.316 42.376 6.438 1.00 32.00									
	MOTA	207	СВ	LEU A	A 44	4.3	10 42.3/0	0.430	1.00 52.00

MOTA	208	CG	LEU	Α	44	4.293	40.922	6.948	1.00	30.67
ATOM	209	CD1	LEU	Α	44	4.884	39.953	5.934	1.00	35.30
ATOM	210	CD2	LEU		44	4.877	40.746	8.342	1.00	30.73
ATOM	211	C	LEU		44	2.574	43.078	8.092	1.00	33.04
	212	0	LEU		44	1.743	42.326	8.603		31.84
ATOM			SER		45	3.248	43.992	8.784		32.72
ATOM	213	N			45	3.023	44.200	10.211		32.14
MOTA	214	CA	SER			3.023	45.297	10.761		32.86
ATOM	215	CB	SER		45		44.946	10.701		33.52
MOTA	216	OG	SER		45	5.298		10.543		31.96
MOTA	217	С	SER		45	1.579	44.543			31.93
ATOM	218	0	SER		45	1.063	44.085	11.562		
ATOM	219	N	LYS		46	0.937	45.378	9.730		31.67
ATOM	220	CA		Α	46	-0.452	45.743	9.983		32.52
MOTA	221	CB	LYS		46	-0.907	46.880	9.058		33.10
ATOM	222	CG	LYS	A	46	-0.320	48.247	9.408		37.46
ATOM	223	CD	LYS	Α	46	-1.206	49.024	10.362		43.28
ATOM	224	CE	LYS	Α	46	-0.660	48.938	11.785		46.45
ATOM	225	ΝZ	LYS	Α	46	-1.645	48.309	12.714		43.98
MOTA	226	С	LYS	Α	46	-1.361	44.534	9.819		31.81
MOTA	227	0	LYS	Α	46	-2.279	44.313	10.608		33.52
ATOM	228	N	GLU	Α	47	-1.108	43.735	8.788		30.77
MOTA	229	CA	GLU	A	47	-1.921	42.546	8.607	1.00	29.42
MOTA	230	СВ	GLU	Α	47	-1.527	41.852	7.317		29.31
ATOM	231	CG	GLU		47	-2.261	40.540	7.157	1.00	30.91
ATOM	232	CD	GLU		47	-2.032	39.991	5.770	1.00	33.04
ATOM	233	OE1	GLU		47	-2.462	40.656	4.790	1.00	31.27
ATOM	234	OE2			47	-1.387	38.923	5.697	1.00	30.22
ATOM	235	C	GLU		47	-1.745	41.573	9.764	1.00	27.29
ATOM	236	0	GLU		47	-2.729	41.065	10.317	1.00	28.88
ATOM	237	N	TYR		48	-0.488	41.316	10.110	1.00	27.52
ATOM	238	CA	TYR		48	-0.170	40.444	11.234		28.53
ATOM	239	CB	TYR		48	1.337	40.327	11.426		26.41
ATOM	240	CG	TYR		48	1.697	39.418	12.574		30.88
ATOM	241	CD1	TYR		48	1.508	38.039	12.489		27.50
		CE1	TYR		48	1.854	37.212	13.547		26.46
ATOM	242	CZ	TYR		48	2.341	37.759	14.713		31.48
ATOM	243				48	2.683	36.975	15.797		33.16
ATOM	244	OH	TYR			2.539	39.118	14.814		33.37
ATOM	245	CE2	TYR		48	2.198	39.937	13.760		31.15
MOTA	246		TYR		48			12.555		30.00
MOTA	247	C	TYR		48	-0.807	40.876	13.374		29.71
ATOM	248	0	TYR		48	-1.212	40.047			29.94
ATOM	249	N	GLU		49	-0.867	42.179	12.800		29.29
MOTA	250	CA	GLU		49	-1.423	42.607	14.082		
MOTA	251	СВ	GLU		49	-0.863	43.970	14.510		31.83
MOTA	252	CG	GLU		49	0.648	43.941	14.759		34.43
MOTA	253	CD	GLU		49	1.103	43.090	15.942		41.82
MOTA	254	OE1			49	2.329	42.964	16.146		45.44
MOTA	255	OE2	GLU		49	0.267	42.555	16.705		49.14
MOTA	256	С	GLU		49	-2.948	42.494	14.156		28.43
MOTA	257	0	GLU	Α	49	<del>-</del> 3.519		15.243		28.47
ATOM	258	N	GLU	Α	50	-3.597		13.002		26.77
MOTA	259	CA	GLU	А	50	-5.026	42.129	12.939	1.00	28.42

				_			1 40 165	11 400	1.00 29.72
ATOM	260	СВ	GLU		50	-5.50			
ATOM	261	CG	GLU		50	-5.69			1.00 37.08
MOTA	262	CD	GLU		50	-6.52			1.00 48.22
MOTA	263	OE1	GLU		50	-7.09			1.00 53.56
MOTA	264	OE2	GLU		50	-6.58			1.00 51.31
MOTA	265	С	GLU		50	-5.36			1.00 26.59
ATOM	266	0	GLU		50	-6.49			1.00 28.10
ATOM	267	N	LEU	Α	51	-4.38			1.00 26.25
ATOM	268	CA	LEU	Α	51	-4.56			1.00 23.60
MOTA	269	СВ	LEU	Α	51	-3.58			1.00 22.99
MOTA	270	CG	LEU	Α	51	-3.82			1.00 22.34
ATOM	271	CD1	LEU	Α	51	-2.54			1.00 18.21
MOTA	272	CD2	LEU	Α	51	-5.08			1.00 24.13
MOTA	273	С	LEU	Α	51	-4.37			1.00 24.96
ATOM	274	0	LEU	Α	51	-4.67	7 37.326	5 16.111	1.00 22.08
MOTA	275	N	LYS	Α	52	-3.85	5 39.417		1.00 26.20
MOTA	276	CA	LYS	Α	52	-3.36	5 39.323		1.00 26.71
ATOM	277	СВ	LYS	Α	52	-2.86	0 40.693	3 17.980	1.00 26.43
ATOM	278	CG	LYS	Α	52	-2.73			1.00 33.28
ATOM	279	CD	LYS	Α	52	-2.34	6 42.297		1.00 36.15
ATOM	280	CE	LYS	Α	52	-2.37			1.00 39.71
ATOM	281	NZ	LYS	Α	52	-3.74			1.00 41.67
MOTA	282	С	LYS	Α	52	-4.40			1.00 25.95
MOTA	283	0	LYS	Α	52	-4.07	1 37.922		1.00 28.87
MOTA	284	N	ASP	Α	53	-5.64			1.00 25.82
MOTA	285	CA	ASP	Α	53	-6.66			1.00 27.69
MOTA	286	CB	ASP		53	-7.54			1.00 29.82
MOTA	287	CG	ASP		53	-6.81			1.00 35.24
MOTA	288	OD1	ASP		53	-7.13			1.00 41.07
MOTA	289		ASP		53	-5.89			1.00 38.05
MOTA	290	С	ASP		53	-7.56			1.00 25.40
ATOM	291	0	ASP		53	-8.52			1.00 26.92
MOTA	292	N	VAL		54	-7.29			1.00 21.25
MOTA	293	CA	VAL		54	-8.18			1.00 20.37
MOTA	294	CB	VAL		54	-7.67			1.00 20.28
MOTA	295	CG1	VAL		54	-8.45			1.00 20.13
MOTA	296	CG2	VAL		54	-7.64			1.00 20.70
MOTA	297	С	VAL		54	-8.15			1.00 21.34
MOTA	298	0	VAL		54	-7.06			1.00 21.56 1.00 19.73
ATOM	299	N	GLY		55	-9.34			
MOTA	300	CA	GLY		55	-9.50			1.00 21.36
ATOM	301	C	GLY		55	-9.51			1.00 25.60 1.00 25.18
ATOM	302	0	GLY		55	-9.77			1.00 23.18
MOTA	303	N	ARG		56	-9.24			1.00 28.00
ATOM	304	CA	ARG		56 5.0	-8.82			1.00 33.28
ATOM	305	CB	ARG		56	-7.72			1.00 34.38
ATOM	306	CG	ARG		56	-6.56			1.00 30.44
ATOM	307	CD	ARG		56 56	-5.40			1.00 47.11
ATOM	308	NE	ARG		56	-4.13			1.00 47.00
ATOM	309	CZ	ARG		56 56	-3.44			1.00 50.37
ATOM	310		ARG ARG		56 56	-3.88 -2.30			1.00 30.37
ATOM	311	MUZ	MAG	А	50	2.30	0 3/.34	22.331	1.00 40.00

MOTA	312	С	ARG	Α	56	-10.003	35.704	23.870	1.00 34.09
ATOM	313	0	ARG	Α	56	-9.826	36.081	25.030	1.00 37.38
ATOM	314	N	ASN	Α	57	-11.198	35.540	23.319	1.00 34.85
ATOM	315	CA	ASN		57	-12.448	35.609	24.046	1.00 34.43
ATOM	316	СВ	ASN		57	-13.561	35.897	23.039	1.00 35.95
		CG	ASN		57	-13.661	34.836	21.944	1.00 40.08
ATOM	317		ASN		57	-12.748	34.655	21.124	1.00 42.89
ATOM	318							21.124	1.00 40.39
MOTA	319				57	-14.799	34.144		
MOTA	320	С	ASN		57	-12.760	34.309	24.799	1.00 31.67
ATOM	321	0	ASN	Α	57	-13.767	34.232	25.487	1.00 33.78
ATOM	322	N	GLN	Α	58	-11.920	33.286	24.653	1.00 27.75
ATOM	323	CA	GLN	Α	58	-12.243	31.931	25.119	1.00 24.28
ATOM	324	CB	GLN	Α	58	-11.843	30.903	24.058	1.00 23.90
ATOM	325	CG	GLN	Α	58	-12.595	31.051	22.743	1.00 25.65
ATOM	326	CD	GLN		58	-12.102	30.074	21.714	1.00 26.89
ATOM	327	OE1	GLN		58	-10.971	30.202	21.238	1.00 28.76
ATOM	328	NE2	GLN		58	-12.933	29.084	21.381	1.00 28.16
ATOM	329	C	GLN		58	-11.584	31.583	26.458	1.00 23.11
			GLN		58	-10.450	32.001	26.725	1.00 21.96
ATOM	330	0			59	-12.285	30.801	27.284	1.00 21.91
ATOM	331	N	SER					28.667	1.00 21.56
ATOM	332	CA	SER		59	-11.880	30.520		1.00 21.30
MOTA	333	CB	SER		59	-13.120	30.331	29.548	
MOTA	334	OG	SER		59	-13.853	29.160	29.159	1.00 30.06
MOTA	335	С	SER	А	59	-10.966	29.293	28.744	1.00 20.75
MOTA	336	0	SER	А	59	-11.067	28.413	27.879	1.00 21.59
MOTA	337	N	CYS	Α	60	-10.045	29.281	29.717	1.00 17.44
ATOM	338	CA	CYS	Α	60	-9.241	28.110	30.066	1.00 16.53
ATOM	339	CB	CYS	Α	60	-7.727	28.401	29.837	1.00 16.03
MOTA	340	SG	CYS	Α	60	<del>-</del> 7.335	28.999	28.191	1.00 20.55
MOTA	341	С	CYS	Α	60	-9.464	27.783	31.540	1.00 15.89
ATOM	342	0		Α	60	-8.518	27.605	32.301	1.00 16.90
ATOM	343	N	ASP		61	-10.724	27.666	31.948	1.00 16.95
ATOM	344	CA		A	61	-11.008	27.467	33.364	1.00 18.02
ATOM	345	CB		Α	61	-12.496	27.660	33.610	1.00 19.47
ATOM	346	CG	ASP		61	-12.954	29.082	33.379	1.00 24.64
		OD1	ASP		61	-12.160	30.049	33.365	1.00 20.11
MOTA	347	OD1			61	-14.155	29.306	33.171	1.00 24.81
ATOM	348					-10.574	26.102	33.887	1.00 20.07
ATOM	349	C	ASP		61		25.997	35.007	1.00 20.07
ATOM	350	0	ASP		61	-10.102			1.00 21.40
ATOM	351	N	ILE		62	-10.679	25.062	33.064	
MOTA	352	CA	ILE		62	-10.298	23.747	33.574	1.00 16.98
MOTA	353	CB	ILE		62	-10.723	22.652	32.564	1.00 14.99
MOTA	354	CG1	ILE	Α	62	-12.247	22.609	32.414	1.00 19.52
ATOM	355	CD1	ILE	Α	62	-12.918	22.254	33.696	1.00 24.86
MOTA	356	CG2	ILE	Α	62	-10.213	21.266	32.987	1.00 18.74
ATOM	357	С	ILE	Α	62	-8.779	23.712	33.804	1.00 17.57
ATOM	358	0	ILE		62	-8.295	23.179	34.802	1.00 18.69
ATOM	359	N	ALA		63	-8.036	24.245	32.841	1.00 16.86
ATOM	360	CA	ALA		63	-6.570	24.285	32.923	1.00 18.52
ATOM	361	CB	ALA		63	-5.999	24.905	31.623	1.00 18.66
	362	C	ALA		63	-6.075	25.067	34.155	1.00 19.62
ATOM		0	ALA		63	-4.972	24.842	34.653	1.00 20.46
ATOM	363	0	VTV	L	0.5	4.712	21.042	51.000	

ATOM	364	N	LEU	Α	64	-6.919	25.972	34.632	1.00 20.64
ATOM	365	CA	LEU	А	64	-6.605	26.811	35.779	1.00 21.59
ATOM	366	СВ		Α	64	-7.316	28.157	35.640	1.00 21.74
ATOM	367	CG		А	64	-6.603	29.150	34.735	1.00 22.91
ATOM	368	CD1		A	64	-7.504	30.360	34.530	1.00 26.23
ATOM	369		LEU		64	-5.274	29.607	35.346	1.00 20.97
ATOM	370	C	LEU		64	-6.988	26.205	37.128	1.00 23.83
ATOM	371	Ö	LEU		64	-6.666	26.792	38.168	1.00 24.37
ATOM	372	N	LEU		65	-7.690	25.071	37.144	1.00 23.26
ATOM	373	CA	LEU		65	-8.009	24.427	38.418	1.00 25.30
	374	CB	LEU		65	-8.892	23.199	38.218	1.00 23.61
ATOM					65	-10.281	23.423	37.623	1.00 25.74
ATOM	375	CG	LEU		65	-10.231	22.077	37.023	1.00 27.81
ATOM	376	CD1		A			24.183	38.616	1.00 27.81
ATOM	377		LEU		65 CE	-11.154		39.184	1.00 27.01
ATOM	378	С	LEU		65	-6.739	24.069		1.00 23.22
ATOM	379	0	LEU		65	-5.741	23.654	38.606	
ATOM	380	N	PRO		66	-6.716	24.280	40.498	1.00 26.80
ATOM	381	CA	PRO		66	-5.463	24.105	41.234	1.00 26.96
ATOM	382	CB	PRO		66	-5.830	24.483	42.678	1.00 28.00
ATOM	383	CG	PRO		66	-7.289	24.642	42.717	1.00 27.81
ATOM	384	CD	PRO		66	-7.827	24.762	41.333	1.00 29.27
ATOM	385	С	PRO	Α	66	-4.917	22.683	41.121	1.00 27.13
ATOM	386	0	PRO	Α	66	-3.697	22.517	41.088	1.00 25.29
ATOM	387	N	GLU	Α	67	<b>-</b> 5.819	21.707	41.019	1.00 27.81
ATOM	388	CA	GLU	Α	67	-5.504	20.294	40.825	1.00 28.93
ATOM	389	СВ	GLU	Α	67	-6.818	19.510	40.733	1.00 30.51
ATOM	390	CG Z	AGLU	Α	67	-6.790	18.040	41.147	0.50 32.82
ATOM	391	CG I	BGLU	Α	67	-7.575	19.363	42.052	0.50 29.81
ATOM	392	CD A	AGLU	Α	67	-5.497	17.580	41.804	0.50 34.06
ATOM	393	CD I	BGLU	Α	67	-8.575	20.471	42.362	0.50 32.38
ATOM	394	OE1	AGLU	Α	67	-5.465	17.473	43.049	0.50 33.59
ATOM	395	OE1	BGLU	Α	67	-8.580	21.554	41.729	0.50 28.29
ATOM	396	OE2	AGLU	Α	67	-4.523	17.281	41.077	0.50 37.14
ATOM	397		BGLU		67	-9.376	20.260	43.298	0.50 33.73
ATOM	398	С	GLU		67	-4.681	20.052	39.557	1.00 28.81
ATOM	399	Ō	GLU		67	-3.896	19.100	39.474	1.00 28.70
ATOM	400	N	ASN		68	-4.841	20.938	38.577	1.00 27.24
ATOM	401	CA	ASN		68	-4.105	20.833	37.324	1.00 26.55
ATOM	402	СВ	ASN		68	-5.043	21.171	36.157	1.00 23.97
ATOM	403	CG	ASN		68	-6.154	20.139	35.977	1.00 25.76
ATOM	404		ASN		68	-5.976	18.936	36.227	1.00 21.62
ATOM	405		ASN		68	-7.312	20.596	35.510	1.00 21.09
ATOM	406	C	ASN		68	-2.780	21.602	37.228	1.00 25.64
ATOM	407	0	ASN		68	-2.087	21.528	36.213	1.00 26.59
		N	ARG		69	-2.397	22.344	38.269	1.00 27.31
ATOM	408	CA	ARG		69	-1.330	23.336	38.101	1.00 26.13
ATOM	409				69	-1.137	24.132	39.402	1.00 28.24
ATOM	410	CB	ARG		69	0.208	24.132	39.456	1.00 20.24
ATOM	411	CG	ARG			0.208	25.045	40.870	1.00 45.09
ATOM	412	CD	ARG		69			41.036	1.00 48.71
ATOM	413	NE	ARG		69	2.100	24.568	40.319	1.00 48.71
ATOM	414	CZ	ARG		69	3.132	25.001		
ATOM	415	NHI	ARG	А	69	2.961	25.927	39.384	1.00 45.02

ATOM	416	NH2	ARG	Α	69	4.347	24.514	40.549	1.00 54.13
ATOM	417	С	ARG	Α	69	0.003	22.714	37.665	1.00 26.18
MOTA	418	0	ARG	Α	69	0.695	23.211	36.756	1.00 27.17
ATOM	419	N	GLY	Α	70	0.319	21.578	38.279	1.00 24.09
ATOM	420	CA	GLY		70	1.568	20.888	37.993	1.00 22.34
ATOM	421	C	GLY		70	1.556	20.175	36.648	1.00 22.09
ATOM	422	0	GLY		70	2.579	19.634	36.252	1.00 22.14
ATOM	423	N	LYS		71	0.417	20.179	35.962	1.00 18.88
	424	CA	LYS		71	0.261	19.527	34.658	1.00 18.61
ATOM						-1.192	19.057	34.499	1.00 18.52
ATOM	425	CB	LYS		71	-1.516		35.558	1.00 17.03
ATOM	426	CG	LYS		71		18.010		1.00 17.05
ATOM	427	CD	LYS		71	-2.862	17.421	35.371	
ATOM	428	CE	LYS		71	-3.257	16.744	36.685	
ATOM	429	NZ	LYS		71	-4.691	16.331	36.616	1.00 22.15
ATOM	430	С	LYS		71	0.589	20.487	33.527	1.00 18.47
ATOM	431	0	LYS		71	0.596	20.124	32.341	1.00 18.95
ATOM	432	N	ASN		72	0.790	21.743	33.885	1.00 18.67
MOTA	433	CA	ASN	Α	72	1.126	22.757	32.879	1.00 19.34
ATOM	434	CB	ASN	Α	72	0.245	23.977	33.056	1.00 18.51
ATOM	435	CG	ASN	Α	72	-1.206	23.648	32.847	1.00 17.81
ATOM	436	OD1	ASN	Α	72	-1.576	23.040	31.838	1.00 16.74
ATOM	437	ND2	ASN	Α	72	-2.035	24.037	33.801	1.00 18.58
ATOM	438	С	ASN	Α	72	2.591	23.158	32.922	1.00 18.69
ATOM	439	0	ASN		72	3.075	23.556	33.981	1.00 19.55
ATOM	440	N	ARG		73	3.298	22.983	31.806	1.00 19.19
ATOM	441	CA	ARG		73	4.706	23.394	31.736	1.00 18.17
ATOM	442	СВ	ARG		73	5.277	23.098	30.351	1.00 18.40
ATOM	443	CG	ARG		73	6.735	23.539	30.185	1.00 16.99
ATOM	444	CD	ARG		73	7.388	23.053	28.874	1.00 16.70
ATOM	445	NE	ARG		73	7.620	21.604	28.934	1.00 16.40
ATOM	446	CZ	ARG		73	8.650	21.038	29.565	1.00 19.62
ATOM	447	NH1			73	9.534	21.783	30.213	1.00 21.72
	448		ARG		73	8.794	19.709	29.568	1.00 20.41
ATOM		C	ARG		73	4.811	24.891	31.984	1.00 19.99
ATOM	449					5.660	25.359	32.765	1.00 21.05
ATOM	450	0	ARG		73			31.292	1.00 21.03
ATOM	451	N	TYR		74	3.961	25.633		
ATOM	452	CA	TYR		74	3.919	27.081	31.449	
ATOM	453	CB	TYR		74	4.190	27.726	30.102	1.00 16.79
ATOM	454	CG	TYR		74	5.560	27.365	29.541	1.00 16.34
ATOM	455		TYR		74	6.722	27.696	30.196	1.00 20.25
ATOM	456	CE1	TYR		74	7.971	27.371	29.649	1.00 21.10
ATOM	457	CZ	TYR		74	8.034	26.643	28.469	1.00 18.00
ATOM	458	OH	TYR	Α	74	9.254	26.324	27.902	1.00 18.74
ATOM	459	CE2	TYR	Α	74	6.879	26.318	27.803	1.00 20.42
ATOM	460	CD2	TYR	A	74	5.644	26.667	28.342	1.00 17.70
ATOM	461	C	TYR	Α	74	2.539	27.463	31.946	1.00 20.00
ATOM	462	0	TYR		74	1.567	27.207	31.254	1.00 19.46
ATOM	463	N	ASN		75	2.442	28.052	33.138	1.00 19.96
ATOM	464	CA	ASN		75	1.125	28.228	33.729	1.00 18.71
ATOM	465	СВ	ASN		75	1.218	28.665	35.186	1.00 19.98
ATOM	466	CG	ASN		75	1.531	27.534	36.144	1.00 28.50
ATOM	467		ASN		75	1.941	27.798	37.276	1.00 41.57
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ATOM	468	ND2	ASN A	75	1.291	26.291	35.743	1.00 34.02
ATOM	469	С	ASN A	75	0.300	29.254	32.975	1.00 19.22
ATOM	470	0	ASN A	75	-0.933	29.328	33.123	1.00 19.65
MOTA	471	N	ASN A	76	0.970	30.016	32.122	1.00 17.60
MOTA	472	CA	ASN A	76	0.307	30.963	31.250	1.00 17.67
ATOM	473	CB	ASN A	76	1.089	32.267	31.179	1.00 19.18
MOTA	474	CG	ASN A	76	2.392	32.127	30.427	1.00 19.09
MOTA	475	OD1	ASN A	76	3.099	31.147	30.602	1.00 19.41
ATOM	476	ND2	ASN A	76	2.677	33.069	29.545	1.00 18.60
ATOM	477	С	ASN A	76	-0.027	30.485	29.828	1.00 18.54
ATOM	478	0	ASN A	76	-0.587	31.266	29.046	1.00 20.42
ATOM	479	N	ILE A	77	0.332	29.243	29.499	1.00 17.75
MOTA	480	CA	ILE A	77	0.023	28.679	28.175	1.00 16.98
MOTA	481	CB	ILE A	7 <b>7</b>	1.267	28.284	27.363	1.00 17.92
MOTA	482	CG1	ILE A	77	2.270	29.429	27.287	1.00 17.69
ATOM	483	CD1	ILE A	77	1.825	30.580	26.477	1.00 24.18
ATOM	484	CG2	ILE A	77	0.802	27.838	25.951	1.00 14.34
ATOM	485	С	ILE A	77	-0.875	27.472	28.359	1.00 16.69
ATOM	486	0	ILE A	77	-0.438	26.387	28.721	1.00 17.71
ATOM	487	N	LEU A	78	-2.171	27.703	28.171	1.00 16.17
MOTA	488	CA	LEU A	78	-3.177	26.760	28.614	1.00 15.63
MOTA	489	CB	LEU A	78	-3.970	27.378	29.782	1.00 17.02
ATOM	490	CG	LEU A	78	-3.103	27.826	30.952	1.00 14.20
ATOM	491	CD1	LEU A	78	-3.971	28.492	32.013	1.00 18.34
ATOM	492	CD2	LEU A	78	-2.351	26.592	31.530	1.00 15.97
ATOM	493	С	LEU A	78	-4.116	26.521	27.448	1.00 16.27
MOTA	494	0	LEU A	78	-4.338	27.415	26.640	1.00 16.45
MOTA	495	N	PRO A	79	-4.676	25.319	27.365	1.00 15.77
MOTA	496	CA	PRO A	79	-5.657	25.005	26.325	1.00 16.37
MOTA	497	CB	PRO A	79	-5.825	23.494	26.465	1.00 15.52
MOTA	498	CG	PRO A	79	-5.511	23.196	27.896	1.00 16.91
ATOM	499	CD	PRO A	79	-4.409	24.186	28.269	1.00 16.37
ATOM	500	С	PRO A	79	-7.001	25.658	26.657	1.00 15.83
ATOM	501	0	PRO A		-7.397	25.687	27.824	1.00 16.64
MOTA	502	N	TYR A		-7.668	26.191	25.639	1.00 17.68
ATOM	503	CA	TYR A	80	-9.073	26.594	25.776	1.00 16.66
MOTA	504	CB	TYR A	80	-9.571	27.131	24.426	1.00 17.47
ATOM	505	CG	TYR A	80	-8.862	28.405	23.974	1.00 18.71
MOTA	506	CD1	TYR A	80	-8.661	29.469	24.864	1.00 21.72
MOTA	507		TYR A		-8.008	30.612	24.458	1.00 18.65
MOTA	508	CZ	TYR A		-7.552	30.728	23.163	1.00 18.69
ATOM	509	ОН	TYR A		-6.951	31.901	22.794	1.00 19.69 1.00 19.15
MOTA	510	CE2			-7.730	29.709	22.252	
ATOM	511	CD2			-8.363	28.532	22.676	1.00 18.51
MOTA	512	С	TYR A		-9.944	25.419	26.190	1.00 17.71
MOTA	513	0	TYR A		-9.835	24.326	25.641	1.00 18.31
MOTA	514	N	ASP A		-10.884	25.656	27.098	1.00 17.08
MOTA	515	CA	ASP A		-11.881	24.660	27.444	1.00 17.40
MOTA	516	CB	ASP A		-12.929	25.314	28.332	1.00 18.47
MOTA	517	CG	ASP A		-12.361	25.790	29.649	1.00 22.96 1.00 20.84
ATOM	518		ASP A		-11.447	25.148	30.229	1.00 20.84
ATOM	519	OD2	ASP A	81	-12.841	26.794	30.205	1.00 19.03

ATOM	520	С	ASP	A	81		-12.568	24.065	26.215	1.00 16.40
ATOM	521	0	ASP	Α	81		-12.790	22.845	26.175	1.00 18.31
ATOM	522	N	ALA		82		-12.901	24.923	25.248	1.00 18.79
ATOM	523	CA	ALA		82		-13.714	24.544	24.096	1.00 21.05
ATOM	524	СВ	ALA		82	′	-14.082	25.787	23.284	1.00 22.15
	525	CD	ALA		82		-13.065	23.500	23.194	1.00 20.96
ATOM		0	ALA		82		-13.763	22.798	22.459	1.00 19.35
ATOM	526						-11.730	23.441	23.203	1.00 18.07
ATOM	527	N	THR		83			22.560	22.274	1.00 20.13
ATOM	528	CA	THR		83		-11.029			
MOTA	529	СВ	THR		83		-10.260	23.375	21.204	
MOTA	530	OG1	THR		83		-9.399	24.306	21.888	1.00 20.87
MOTA	531	CG2	THR		83		-11.215	24.257	20.373	1.00 22.64
MOTA	532	С	THR		83		-10.015	21.647	22.962	1.00 19.11
ATOM	533	0	THR	Α	83		-9.241	21.027	22.255	1.00 18.63
ATOM	534	N	ARG	Α	84		-10.008	21.543	24.292	1.00 16.72
MOTA	535	CA	ARG	Α	84		-8.994	20.752	24.973	1.00 18.30
ATOM	536	CB	ARG	Α	84		-8.977	21.025	26.481	1.00 20.17
ATOM	537	CG	ARG	Α	84		-10.132	20.412	27.255	1.00 21.69
ATOM	538	CD	ARG	Α	84		-10.152	20.875	28.716	1.00 21.07
ATOM	539	NE	ARG		84		-11.233	20.227	29.455	1.00 18.74
ATOM	540	CZ	ARG		84		-11.068	19.171	30.257	1.00 17.05
ATOM	541	NH1	ARG		84		-9.857	18.640	30.407	1.00 17.98
ATOM	542		ARG		84		-12.125	18.639	30.884	1.00 17.21
ATOM	543	C	ARG		84		-9.207	19.276	24.702	1.00 18.78
	544	0	ARG		84		-10.348	18.839	24.517	1.00 19.49
MOTA		N	VAL		85		-8.108	18.538	24.710	1.00 17.44
ATOM	545				85		-8.130	17.081	24.614	1.00 17.40
ATOM	546	CA	VAL				-6.799	16.539	24.064	1.00 18.13
ATOM	547	CB	VAL		85			15.001	23.926	1.00 17.98
ATOM	548	CG1	VAL		85		-6.897		23.926	1.00 17.36
MOTA	549	CG2	VAL		85		-6.493	17.177		
ATOM	550	С	VAL		85		-8.371	16.488	26.003	
ATOM	551	0	VAL		85		-7.719	16.869	26.976	1.00 19.65
ATOM	552	N	LYS		86		-9.315	15.555	26.094	1.00 18.68
ATOM	553	CA	LYS		86		-9.613	14.946	27.396	1.00 17.68
ATOM	554	CB	LYS		86		-11.137	14.942	27.623	1.00 18.74
ATOM	555	CG	LYS	Α	86		-11.672	16.355	27.728	1.00 22.75
ATOM	556	CD	LYS		86		-13.167	16.435	27.837	1.00 27.00
ATOM	557	CE	LYS	Α	86		-13.540	17.906	27.691	1.00 30.36
ATOM	558	NZ	LYS	Α	86		-14.942	18.132	27.228	1.00 34.08
ATOM	559	С	LYS	Α	86		-9.118	13.517	27.445	1.00 19.75
ATOM	560	0	LYS	Α	86		-9.357	12.766	26.489	1.00 22.00
ATOM	561	N	LEU		87		-8.443	13.188	28.544	1.00 19.49
ATOM	562	CA	LEU		87		-8.007	11.819	28.836	1.00 21.14
ATOM	563	СВ	LEU		87		-6.883	11.849	29.871	1.00 20.71
ATOM	564	CG	LEU		87		-5.611	12.606	29.453	1.00 24.00
ATOM	565	CD1			87		-4.671	12.651	30.634	1.00 23.82
	566	CD2			87		-4.924	11.964	28.229	1.00 22.65
ATOM			LEU		87		-9.214	11.092	29.426	1.00 21.83
ATOM	567	C			87		-9.214 $-10.077$	11.716	30.069	1.00 21.33
ATOM	568	0	LEU					9.777	29.239	1.00 21.55
ATOM	569	N	SER		88		-9.278			1.00 27.20
MOTA	570	CA	SER		88		-10.267	9.015	30.030	
MOTA	571	CB	SER	Α	88		-10.199	7.517	29.746	1.00 26.15

ATOM	572	OG	SER	Α	88	-8.930	6.992	30.099	1.00 27.44
ATOM	573	С	SER	Α	88	-10.120	9.264	31.527	1.00 29.45
ATOM	574	0	SER	Α	88	-9.021	9.477	32.035	1.00 28.78
MOTA	575	N	ASN	Α	89	-11.244	9.263	32.234	1.00 33.66
ATOM	576	CA	ASN		89	-11.240	9.331	33.697	1.00 38.59
ATOM	577	СВ	ASN		89	-12.675	9.420	34.228	1.00 40.00
ATOM	578	CG	ASN		89	-13.511	10.437	33.472	1.00 44.74
ATOM	579		ASN		89	-13.097	10.948	32.425	1.00 50.87
ATOM	580		ASN		89	-14.702	10.725	33.990	1.00 48.81
ATOM	581	C	ASN		89	-10.510	8.180	34.383	1.00 39.26
ATOM	582	0	ASN		89	-10.637	7.018	33.977	1.00 40.17
ATOM	583	N	VAL		90	-9.750	8.521	35.420	1.00 39.03
			VAL		90	-9.059	7.551	36.267	1.00 39.03
ATOM	584	CA					7.933	36.450	1.00 39.43
ATOM	585	CB	VAL		90	<b>-</b> 7.579			
ATOM	586	CG1			90	-6.890	7.053	37.502	1.00 39.89
ATOM	587		VAL		90	-6.848	7.840	35.114	1.00 39.94
ATOM	588	С	VAL		90	-9.724	7.437	37.641	1.00 39.53
ATOM	589	0	VAL		90	-10.029	8.446	38.277	1.00 39.69
ATOM	590	N	CYS		95	-10.123	15.551	38.257	1.00 32.20
ATOM	591	CA		A	95	-9.274	16.239	37.274	1.00 31.56
ATOM	592	CB	CYS		95	-8.436	17.341	37.923	1.00 32.45
MOTA	593	SG	CYS	A	95	-9.470	18.646	38.623	1.00 39.21
ATOM	594	С	CYS	Α	95	-8.351	15.296	36.529	1.00 29.09
ATOM	595	0	CYS	Α	95	-7.399	15.760	35.888	1.00 28.47
ATOM	596	N	SER	Α	96	-8.624	13.992	36.611	1.00 25.31
ATOM	597	CA	SER	Α	96	-7.816	13.009	35.891	1.00 26.34
ATOM	598	CB	SER	A	96	-8.104	11.576	36.380	1.00 26.13
ATOM	599	OG	SER	Α	96	-9.450	11.210	36.131	1.00 28.38
ATOM	600	С	SER	Α	96	-7.857	13.149	34.365	1.00 24.83
ATOM	601	0	SER	Α	96	-6.970	12.661	33.640	1.00 25.70
ATOM	602	N	ASP		97	-8.863	13.860	33.873	1.00 23.60
ATOM	603	CA	ASP		97	-9.022	14.004	32.432	1.00 23.00
ATOM	604	СВ	ASP		97	-10.486	14.244	32.031	1.00 23.06
ATOM	605	CG	ASP		97	-10.939	15.704	32.178	1.00 25.86
ATOM	606		ASP		97	-10.131	16.559	32.575	1.00 23.58
ATOM	607		ASP		97	-12.113	16.073	31.926	1.00 27.66
ATOM	608	C	ASP		97	-8.085	15.005	31.779	1.00 20.67
ATOM	609	0	ASP		97	-8.055	15.123	30.548	1.00 21.87
ATOM	610	N	TYR		98	-7.333	15.746	32.581	1.00 19.60
ATOM	611	CA	TYR		98	-6.691	16.926	32.030	1.00 18.52
ATOM	612	СВ	TYR		98	-6.520	18.003	33.104	1.00 18.03
ATOM	613	CG	TYR		98	-5.822	19.205	32.517	1.00 19.58
	614	CD1	TYR		98	-6.534	20.124	31.746	1.00 21.57
ATOM					98	-5.904	21.216	31.192	1.00 21.37
MOTA	615	CE1	TYR						
MOTA	616	CZ	TYR		98	-4.536 -3.906	21.375 22.447	31.389	1.00 16.22 1.00 18.85
ATOM	617	OH	TYR		98			30.797	
ATOM	618	CE2	TYR		98	-3.803	20.475	32.138	1.00 17.86
ATOM	619	CD2	TYR		98	-4.445	19.385	32.694	1.00 19.81
ATOM	620	С	TYR		98	-5.338	16.650	31.410	1.00 16.72
ATOM	621	0	TYR		98	-4.485	16.025	32.040	1.00 19.70
ATOM	622	N	ILE		99	-5.137	17.179	30.199	1.00 15.99
ATOM	623	CA	ILE	Α	99	-3.773	17.307	29.653	1.00 15.12

ATOM	624	CB	ILE	Α	99	-3.485	16.142	28.679	1.00 16.27
ATOM	625	CG1	ILE	Α	99	-2.013	16.171	28.227	1.00 13.41
ATOM	626	CD1	ILE	A	99	-1.501	14.952	27.413	1.00 15.15
ATOM	627	CG2	ILE		99	-4.516	16.099	27.536	1.00 18.41
ATOM	628	C	ILE		99	-3.730	18.654	28.924	1.00 14.61
	629	0	ILE		99	-4.754	19.134	28.452	1.00 14.64
MOTA						-2.549	19.246	28.845	1.00 13.96
MOTA	630	N	ASN				20.522	28.162	1.00 15.20
ATOM	631	CA	ASN			-2.381			1.00 15.20
ATOM	632	CB	ASN			-1.218	21.330	28.763	
ATOM	633	CG	ASN			-1.167	22.726	28.214	1.00 15.71
ATOM	634	OD1				-1.374	22.917	27.020	1.00 16.88
ATOM	635		ASN			-0.873	23.698	29.060	1.00 15.13
ATOM	636	С	ASN			-2.184	20.228	26.679	1.00 14.05
ATOM	637	0	ASN			-1.068	20.052	26.188	1.00 15.61
MOTA	638	N	ALA	A	101	-3.321	20.129	26.011	1.00 14.18
ATOM	639	CA	ALA	Α	101	-3.342	19.806	24.587	1.00 14.86
ATOM	640	CB	ALA	Α	101	-3.238	18.306	24.435	1.00 14.35
ATOM	641	С	ALA	Α	101	-4.665	20.251	24.018	1.00 15.17
ATOM	642	0	ALA	Α	101	-5.669	20.248	24.743	1.00 14.69
ATOM	643	N	SER			-4.679	20.523	22.708	1.00 15.50
ATOM	644	CA	SER			-5.810	21.159	22.047	1.00 15.05
ATOM	645	CB	SER			-5.471	22.629	21.759	1.00 15.31
ATOM	646	OG	SER			-5.151	23.291	22.969	1.00 15.76
ATOM	647	C	SER			-6.060	20.499	20.687	1.00 14.47
ATOM	648	0	SER			-5.122	20.253	19.962	1.00 16.41
ATOM	649	N	TYR			-7.315	20.233	20.310	1.00 14.11
	650	CA	TYR			-7.625	19.700	18.994	1.00 16.15
ATOM			TYR			-9.064	19.128	18.983	1.00 15.58
ATOM	651	CB				-9.226	17.837	19.738	1.00 13.30
ATOM	652	CG	TYR					19.738	1.00 17.03
ATOM	653	CD1	TYR			-8.530	16.696		1.00 21.83
ATOM	654	CE1	TYR			-8.681	15.485	20.004	
ATOM	655	CZ	TYR			-9.560	15.417	21.070	1.00 23.34
ATOM	656	ОН	TYR			-9.763	14.235	21.749	1.00 25.07
ATOM	657	CE2	TYR			-10.281	16.527	21.482	1.00 22.71
ATOM	658	CD2	TYR			-10.123	17.724	20.808	1.00 19.56
ATOM	659	С	TYR			-7.606	20.816	17.968	1.00 17.25
ATOM	660	0	TYR			-8.067	21.930	18.244	1.00 18.82
ATOM	661	N	ILE			<del>-</del> 7.125	20.470	16.779	1.00 16.96
MOTA	662	CA	ILE			-7.227	21.292	15.577	1.00 17.89
ATOM	663	CB	ILE	Α	104	-5.810	21.550	15.040	1.00 18.29
ATOM	664	CG1	ILE	Α	104	-4.887	21.993	16.154	1.00 19.03
ATOM	665	CD1	ILE	Α	104	-5.247	23.333	16.819	1.00 21.70
MOTA	666	CG2	ILE	Α	104	-5.845	22.465	13.784	1.00 22.08
MOTA	667	С	ILE			-8.013	20.483	14.547	1.00 20.87
ATOM	668	0	ILE			-7.582	19.407	14.121	1.00 20.90
ATOM	669	N	PRO			-9.188	20.966	14.154	1.00 21.39
ATOM	670	CA	PRO			-9.980	20.233	13.162	1.00 20.64
ATOM	671	CB	PRO			-11.348	20.918	13.214	1.00 21.14
ATOM	672	CG	PRO			-11.064	22.320	13.696	1.00 25.38
	673	CD	PRO			-9.836	22.219	14.596	1.00 22.10
ATOM	674	CD	PRO			-9.346	20.426	11.786	1.00 20.86
ATOM						-8.621	21.420	11.579	1.00 20.00
ATOM	675	0	PRO	Н	100	-0.021	21.420	11.0/3	1.00 22.00

ATOM	676	N	GLY A	106	-9.603	19.487	10.872	1.00 2	
ATOM	677	CA	GLY A		-9.258	19.643	9.472	1.00 2	
ATOM	678	С	GLY A		-10.329	20.332	8.646	1.00 2	
ATOM	679	0	GLY A		-11.440	20.586	9.124	1.00 2	4.34
ATOM	680	N	ASN A		-10.001	20.603	7.386	1.00 2	7.36
ATOM	681	CA	ASN A		-10.986	21.163	6.458	1.00 2	9.29
ATOM	682	CB	ASN A		-10.336	21.579	5.142	1.00 3	1.82
	683	CG	ASN A		-9.436	22.795	5.291	1.00 3	
ATOM	684		ASN A		-8.306	22.792	4.798	1.00 4	
MOTA			ASN A		-9.917	23.824	5.984	1.00 4	
ATOM	685		ASN A		-12.080	20.168	6.153	1.00 2	
ATOM	686	C			-13.182	20.560	5.772	1.00 2	
ATOM	687	0	ASN A			18.881	6.300	1.00 2	
ATOM	688	N	ASN A		-11.776		5.886	1.00 2	
ATOM	689	CA	ASN A		-12.716	17.847		1.00 2	
ATOM	690	CB	ASN A		-12.020	16.861	4.947	1.00 2	
ATOM	691	CG	ASN A		-11.769	17.438	3.570		
MOTA	692	OD1			-10.623	17.630	3.158	1.00 3	
MOTA	693	ND2			-12.846	17.710	2.843	1.00 3	
MOTA	694	С	ASN A		-13.325	17.065	7.052	1.00 2	
ATOM	695	0	ASN A		-14.371	16.440	6.895	1.00 2	
MOTA	696	N	PHE A	109	-12.665	17.078	8.206	1.00 2	
MOTA	697	CA	PHE A	109	-13.114	16.259	9.339	1.00 2	
ATOM	698	СВ	PHE A	109	-12.718	14.795	9.081	1.00 2	
MOTA	699	CG	PHE A	109	-13.564	13.780	9.830	1.00 2	
ATOM	700	CD1	PHE A	109	-13.061	13.110	10.936	1.00 2	21.50
ATOM	701	CE1	PHE A		-13.823	12.180	11.626	1.00 2	24.12
ATOM	702	CZ	PHE A		-15.129	11.909	11.208	1.00 2	25.45
ATOM	703	CE2			-15.641	12.561	10.113	1.00 2	21.35
ATOM	704		PHE A		-14.866	13.493	9.421	1.00 1	∟8.54
ATOM	705	C	PHE A		-12.452	16.764	10.612	1.00 2	22.13
ATOM	706	0	PHE A		-11.412	17.437	10.545	1.00 2	21.08
ATOM	707	N	ARG A		-13.013	16.358	11.752	1.00 1	19.50
ATOM	708	CA	ARG A		-12.523	16.785	13.054	1.00 2	
ATOM	709	CB	ARG A		-13.472	16.347	14.168	1.00 2	
ATOM	710	CG	ARG A		-13.476	14.851	14.413	1.00 2	
		CD	ARG A		-14.802	14.225	14.822	1.00 3	
ATOM	711 712	NE	ARG A		-15.236	14.643	16.150	1.00 3	
ATOM			ARG A		-15.230	13.914	17.243	1.00 4	
ATOM	713	CZ			-14.400	12.750			
ATOM	714		ARG A		-15.474	14.358	18.418	1.00 4	
ATOM	715		ARG A			16.239	13.310	1.00 2	
MOTA	716	C	ARG A		-11.118	15.220	12.746	1.00 2	
ATOM	717	0	ARG A		-10.729			1.00 2	
MOTA	718	N	ARG A		-10.436	16.843	14.273	1.00 2	
ATOM	719	CA	ARG A		-9.259	16.240	14.885		
MOTA	720	CB	ARG A		-9.651	15.008	15.728	1.00 2	
MOTA	721	CG	ARG A		-10.650	15.324	16.827	1.00 2	
MOTA	722	CD	ARG A		-10.936	14.151	17.754	1.00 2	
ATOM	723	NE	ARG A		-11.920	14.585	18.729	1.00 2	
ATOM	724	CZ	ARG A	111	-12.269	13.928	19.825	1.00 2	
ATOM	725	NH1	ARG A	111	-11.713	12.759	20.119	1.00	
ATOM	726	NH2	ARG A	111	-13.175		20.633	1.00 2	
ATOM	727	С	ARG A	111	-8.161	15.872	13.914	1.00 2	20.16

		_				7 610	14.761	13.972	1.00 21.20
MOTA	728	0	ARG A			7.612 7.777	16.801		1.00 21.20
ATOM	729	N	GLU A				16.499		1.00 17.48
ATOM	730	CA	GLU A			6.651	17.426		1.00 17.40
MOTA	731	CB	GLU A			6.632	17.420		1.00 16.97
ATOM	732	CG	GLU A			5.441			1.00 27.96
MOTA	733	CD	GLU A			5.437	18.043		1.00 27.30
MOTA	734	OE1				4.889	17.541		1.00 25.41
ATOM	735	OE2				5.919	19.209		1.00 25.41
ATOM	736	С	GLU A			5.307	16.580		1.00 10.33
ATOM	737	0	GLU A			4.421	15.771		1.00 17.02
MOTA	738	N	TYR A			5.168	17.526		1.00 10.40
MOTA	739	CA	TYR A			3.964	17.632		1.00 17.00
ATOM	740	CB	TYR A			3.168	18.898		1.00 13.03
MOTA	741	CG	TYR A			2.779	19.127		1.00 10.99
ATOM	742	CD1				3.606	19.884		1.00 24.83
ATOM	743	CE1	TYR A			3.290	20.157		1.00 24.03
ATOM	744	CZ	TYR A			2.089	19.709		1.00 22.77
ATOM	745	ОН	TYR A			1.838	20.017		1.00 28.70
ATOM	746	CE2	TYR A			1.233	18.945		1.00 22.82
MOTA	747	CD2				1.570	18.678		1.00 24.11
ATOM	748	С	TYR A			4.327	17.701		1.00 14.33
MOTA	749	0	TYR A			5.445	18.039		1.00 10.23
MOTA	750	N	ILE A			3.439	17.251		
ATOM	751	CA	ILE A			3.500	17.610		
MOTA	752	CB	ILE A			3.501	16.340		
MOTA	753	CG1				4.859	15.643		
MOTA	754	CD1				4.796	14.175		
MOTA	755	CG2				3.233	16.721		1.00 15.76 1.00 15.12
MOTA	756	С	ILE A			2.239	18.421		
MOTA	757	0	ILE A			1.146	17.951		1.00 16.55 1.00 15.68
ATOM	758	N	VAL A			2.407	19.636		
MOTA	759	CA	VAL A			1.262	20.440		1.00 14.96 1.00 15.98
MOTA	760	СВ	VAL A			1.499	21.899		1.00 13.98
MOTA	761	CG1				-0.446	22.789		1.00 18.83
ATOM	762	CG2				-1.501	22.011		1.00 15.14
MOTA	763	С	VAL A			-1.078	20.282		1.00 15.75
ATOM	764	0	VAL A		-	-2.039	20.346		1.00 13.30
MOTA	765	N	THR A			0.163	20.062		1.00 14.14
MOTA	766	CA	THR A			0.399	19.938		1.00 15.23
ATOM	767	CB	THR A			0.267	18.421		1.00 15.34
MOTA	768	OG1				0.282	18.318		1.00 10.40
ATOM	769	CG2				1.492	17.619		1.00 20.42
ATOM	770	С	THR A			1.737	20.589		1.00 14.47
ATOM	771	0	THR A			2.563	20.939		
ATOM	772	N	GLN A			1.924	20.762		
MOTA	773	CA	GLN A			3.181	21.248		1.00 15.39
ATOM	774	CB	GLN A			2.975	21.710		1.00 14.51
MOTA	775	CG	GLN A			2.597	20.569		1.00 15.32
MOTA	776	CD	GLN A			2.327	21.017		1.00 16.29
ATOM	777	OE1				2.162	22.202		1.00 17.89
ATOM	778		GLN A			2.265	20.073		1.00 15.78
ATOM	779	С	GLN A	117		4.208	20.143	3 25.228	1.00 16.18

ATOM	780	0	GLN A	117	3.895	18.970	25.110	1.00 16.55
ATOM	781	N	GLY A	118	5.469	20.517	25.375	1.00 16.92
ATOM	782	CA	GLY A	118	6.470	19.495	25.606	1.00 16.65
ATOM	783	С	GLY A		6.186	18.761	26.901	1.00 15.21
ATOM	784	Ō	GLY A		6.087	19.352	27.989	1.00 16.22
ATOM	785	N	PRO A		6.035	17.445	26.822	1.00 15.88
	786	CA	PRO A		5.791	16.689	28.055	1.00 15.90
ATOM			PRO A		5.878	15.243	27.582	1.00 17.35
ATOM	787	CB	PRO A		5.520	15.243	26.147	1.00 16.27
ATOM	788	CG				16.575	25.628	1.00 16.39
ATOM	789	CD	PRO A		6.092		29.213	1.00 10.95
ATOM	790	C	PRO A		6.768	16.949		1.00 17.04
MOTA	791	0	PRO A		7.972	17.127	28.997	1.00 17.23
MOTA	792	N	LEU A		6.230	16.986	30.427	
MOTA	793	CA.	LEU A		7.006	17.119	31.660	1.00 20.38
MOTA	794	CB	LEU A		6.171	17.875	32.683	1.00 20.80
MOTA	795	CG	LEU A		5.899	19.355	32.400	1.00 20.40
ATOM	796	CD1	LEU A	120	4.670	19.772	33.207	1.00 20.65
ATOM	797	CD2	LEU A	120	7.087	20.257	32.655	1.00 22.46
ATOM	798	С	LEU A	120	7.324	15.718	32.190	1.00 22.07
MOTA	799	0	LEU A	120	6.642	14.762	31.824	1.00 19.88
MOTA	800	N	PRO A	121	8.343	15.566	33.032	1.00 22.56
MOTA	801	CA	PRO A		8.590	14.265	33.676	1.00 22.53
ATOM	802	СВ	PRO A	121	9.586	14.599	34.790	1.00 22.51
ATOM	803	CG	PRO A		10.302	15.799	34.270	1.00 24.46
ATOM	804	CD	PRO A		9.302	16.594	33.481	1.00 23.40
ATOM	805	C	PRO A		7.295	13.766	34.308	1.00 20.90
	806	0	PRO A		7.019	12.575	34.178	1.00 22.13
MOTA	807	N	GLY A		6.529	14.643	34.946	1.00 18.52
ATOM	808	CA	GLY A		5.267	14.247	35.555	1.00 19.71
ATOM			GLY A		4.050	14.113	34.658	1.00 19.48
ATOM	809	C			3.008	13.713	35.158	1.00 20.10
ATOM	810	0	GLY A		4.152	14.463	33.376	1.00 19.70
MOTA	811	N	THR A			14.403	32.467	1.00 20.05
ATOM	812	CA	THR A		3.013		31.910	1.00 20.03
MOTA	813	CB	THR A		2.470	15.643		1.00 13.02
ATOM	814	OG1	THR A		3.417	16.229	31.006	
ATOM	815	CG2	THR A		2.286	16.724	33.011	1.00 21.52
ATOM	816	С	THR A		3.305	13.389	31.279	1.00 18.26
ATOM	817	0	THR A		2.428	13.238	30.410	1.00 19.28
ATOM	818	N	LYS A		4.498	12.810	31.219	1.00 18.95
ATOM	819	CA	LYS A		4.788	11.956	30.057	1.00 18.96
ATOM	820	CB	LYS A		6.283	11.641	29.950	1.00 20.13
ATOM	821	CG	LYS A	124	6.834	10.806	31.086	1.00 23.04
ATOM	822	CD	LYS A	124	8.336	10.603	30.898	1.00 29.73
ATOM	823	CE	LYS A	124	8.775	9.445	31.787	1.00 36.02
ATOM	824	NZ	LYS A		10.152	9.706	32.286	1.00 43.04
ATOM	825	С	LYS A		3.876	10.734	29.956	1.00 19.08
ATOM	826	0	LYS A		3.538	10.312	28.855	1.00 17.17
ATOM	827	N	ASP A		3.454	10.156	31.086	1.00 18.94
ATOM	828	CA	ASP A		2.497	9.066	31.016	1.00 19.18
ATOM	829	CB	ASP A		2.272	8.426	32.390	1.00 20.53
ATOM	830	CG	ASP A		3.531	7.858	32.991	1.00 22.30
ATOM	831		ASP A		4.545	7.684	32.280	1.00 23.89
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ATOM	832	OD2	ASP	Α	125	3.577	7.580	34.216	1.00 25.30
ATOM	833	С	ASP	Α	125	1.160	9.570	30.460	1.00 18.40
ATOM	834	0	ASP			0.519	8.877	29.670	1.00 19.13
ATOM	835	N			126	0.760	10.773	30.871	1.00 17.97
ATOM	836	CA	ASP			-0.453	11.402	30.351	1.00 17.81
ATOM	837	CB	ASP			-0.632	12.804	30.951	1.00 18.50
ATOM	838	CG	ASP			-0.832	12.813	32.447	1.00 24.65
ATOM	839		ASP			-1.196	11.774	33.046	1.00 22.46
			ASP			-0.670	13.887	33.085	1.00 24.22
MOTA	840		ASP			-0.314	11.606	28.837	1.00 24.22
ATOM	841	С					11.407	28.082	1.00 16.48
ATOM	842	0	ASP			-1.256		28.380	
ATOM	843	N	PHE			0.868	12.008		1.00 17.92
ATOM	844	CA			127	1.068	12.282	26.958	1.00 16.02
ATOM	845	CB			127	2.459	12.901	26.744	1.00 15.67
ATOM	846	CG			127	2.886	12.934	25.300	1.00 15.63
ATOM	847	CD1				2.614	14.040	24.513	1.00 15.34
ATOM	848	CE1	PHE			3.015	14.065	23.170	1.00 18.23
ATOM	849	CZ			127	3.682	12.972	22.603	1.00 17.60
ATOM	850	CE2	PHE	Α	127	3.902	11.819	23.398	1.00 14.91
ATOM	851	CD2	PHE	Α	127	3.540	11.826	24.721	1.00 15.74
ATOM	852	С	PHE	Α	127	0.913	10.967	26.199	1.00 15.37
ATOM	853	0	PHE	Α	127	0.234	10.922	25.167	1.00 15.38
ATOM	854	N	TRP	Α	128	1.486	9.880	26.710	1.00 15.77
ATOM	855	CA	TRP	Α	128	1.412	8.643	25.951	1.00 15.30
ATOM	856	СВ	TRP			2.416	7.618	26.452	1.00 14.62
ATOM	857	CG	TRP			3.800	7.961	26.004	1.00 15.64
ATOM	858	CD1				4.848	8.266	26.796	1.00 16.32
ATOM	859	NE1	TRP			5.978	8.498	26.047	1.00 16.04
ATOM	860	CE2	TRP			5.658	8.340	24.721	1.00 17.00
ATOM	861	CD2	TRP			4.275	8.037	24.656	1.00 14.14
ATOM	862	CE3	TRP			3.697	7.798	23.401	1.00 18.83
ATOM	863	CZ3	TRP			4.481	7.947	22.261	1.00 19.71
ATOM	864	CH2	TRP			5.855	8.288	22.362	1.00 18.66
	865	CZ2	TRP			6.446	8.494	23.583	1.00 17.54
ATOM			TRP			0.000	8.071	25.981	1.00 17.34
MOTA	866	C				-0.410		25.021	1.00 14.42
ATOM	867	0	TRP				7.416	27.123	1.00 15.80
ATOM	868	N	LYS			-0.671	8.219	27.123	
ATOM	869	CA	LYS			-2.091	7.905	28.588	
ATOM	870	CB	LYS			-2.642	8.310		1.00 18.04
MOTA	871	CG	LYS			-4.131	7.953	28.762	1.00 16.84
ATOM	872	CD	LYS			-4.549	8.066	30.229	1.00 19.80
ATOM	873	CE			129	-6.064	8.051	30.343	1.00 21.91
ATOM	874	NZ	LYS			-6.439	8.260	31.807	1.00 25.23
ATOM	875	С	LYS			-2.861	8.607	26.121	1.00 16.69
ATOM	876	0	LYS			-3.713	8.011	25.465	1.00 16.75
MOTA	877	N	MET	A	130	-2.618	9.909	25.990	1.00 15.72
MOTA	878	CA	MET			-3.311	10.652	24.957	1.00 16.87
ATOM	879	СВ	MET	Α	130	-3.026	12.145	25.080	1.00 14.45
MOTA	880	CG	MET	Α	130	-3.608	12.865	23.908	1.00 15.57
ATOM	881	SD	MET			-3.131	14.614	23.936	1.00 17.91
MOTA	882	CE	MET	Α	130	-1.383	14.608	23.583	1.00 16.03
ATOM	883	С	MET			-3.040	10.117	23.548	1.00 16.34

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MOTA	884	0	MET A		-3.965	9.899	22.759	1.00 16.31
MOTA	885	N	VAL A	. 131	-1.783	9.837	23.226	1.00 15.65
MOTA	886	CA	VAL A	. 131	-1.402	9.283	21.924	1.00 13.92
ATOM	887	CB	VAL A	131	0.120	9.049	21.956	1.00 14.34
ATOM	888	CG1	VAL A	131	0.588	8.212	20.797	1.00 18.45
ATOM	889	CG2	VAL A	131	0.877	10.386	21.984	1.00 18.04
ATOM	890	С	VAL A	131	-2.107	7.948	21.681	1.00 14.86
ATOM	891	0	VAL A		-2.609	7.668	20.579	1.00 15.81
ATOM	892	N	TRP A		-2,209	7.145	22.732	1.00 14.88
ATOM	893	CA	TRP A		-2.840	5.840	22.599	1.00 14.40
ATOM	894	СВ	TRP F		-2.599	4.996	23.861	1.00 14.68
ATOM	895	CG	TRP P		-3.301	3.666	23.747	1.00 16.82
ATOM	896	CD1	TRP F		-4.427	3.273	24.402	1.00 17.83
ATOM	897	NE1	TRP F		-4.799	2.015	23.980	1.00 16.10
ATOM	898	CE2	TRP F		-3.901	1.566	23.049	1.00 19.18
	899	CD2	TRP F		-2.956	2.591	22.852	1.00 18.23
ATOM					-1.924	2.388	21.930	1.00 16.64
MOTA	900	CE3	TRP A		-1.857	1.165	21.233	1.00 18.77
ATOM	901	CZ3	TRP A			0.177	21.255	1.00 10.77
ATOM	902	CH2	TRP F		-2.841		22.350	1.00 19.47
ATOM	903	CZ2	TRP F		-3.857	0.358		
MOTA	904	С	TRP F		-4.346	6.021	22.375	1.00 14.57
MOTA	905	0	TRP F		-4.901	5.489	21.423	1.00 14.81
MOTA	906	N	GLU F		-4.977	6.784	23.257	1.00 17.42
MOTA	907	CA	GLU F		-6.450	6.895	23.277	1.00 15.50
ATOM	908	CB	GLU F		-6.924	7.614	24.526	1.00 15.78
ATOM	909	CG	GLU F		-6.669	6.814	25.790	1.00 17.18
MOTA	910	CD	GLU F		-7.390	7.374	26.988	1.00 25.51
MOTA	911	OE1	GLU F		-7.721	8.585	26.977	1.00 22.92
MOTA	912	OE2	GLU F	133	-7.539	6.592	27.957	1.00 21.86
MOTA	913	С	GLU F	133	-6.990	7.595	22.041	1.00 17.24
MOTA	914	0	GLU A	133	-8.144	7.335	21.609	1.00 16.93
MOTA	915	N	GLN A	134	-6.188	8.513	21.501	1.00 16.12
MOTA	916	CA	GLN A		-6.583	9.284	20.326	1.00 16.01
MOTA	917	CB	GLN A	134	-6.136	10.746	20.432	1.00 15.45
MOTA	918	CG	GLN F	134	-6.658	11.461	21.657	1.00 16.97
ATOM	919	CD	GLN A	134	-8.141	11.671	21.576	1.00 21.63
MOTA	920	OE1	GLN F	134	-8.649	12.128	20.548	1.00 30.42
MOTA	921	NE2	GLN F	134	-8.855	11.298	22.636	1.00 24.38
MOTA	922	С	GLN F	134	-6.211	8.681	18.987	1.00 16.29
MOTA	923	0	GLN F	134	-6.418	9.300	17.936	1.00 17.57
ATOM	924	N	ASN F		-5.721	7.438	19.007	1.00 16.26
MOTA	925	CA	ASN F		-5.338	6.741	17.788	1.00 16.42
ATOM	926	СВ	ASN F		-6.562	6.516	16.901	1.00 18.03
ATOM	927	CG	ASN A		-7.602	5,656	17.580	1.00 22.43
ATOM	928		ASN A		-7.358	4.475	17.849	1.00 28.78
ATOM	929		ASN F		-8.757	6.232	17.865	1.00 27.37
ATOM	930	C	ASN A		-4.243	7.426	16.964	1.00 18.21
ATOM	931	0	ASN F		-4.199	7.287	15.749	1.00 17.34
ATOM	932	N	VAL A		-3.380	8.164	17.651	1.00 18.13
			VAL F		-2.276	8.873	17.011	1.00 16.80
ATOM	933	CA			-1.664	9.866	18.023	1.00 18.00
ATOM	934	CB	VAL A		-0.351	10.461	17.482	1.00 16.00
ATOM	935	CGI	VAL A	7 720	-0.331	10.401	11.402	1.00 10.01

MOTA	936	CG2	VAL A	136	-2.680	10.930	18.399	1.00 18.19
ATOM	937	С	VAL A	136	-1.229	7.880	16.483	1.00 18.93
ATOM	938	0	VAL A	136	-0.821	6.977	17.211	1.00 19.57
ATOM	939	N	HIS A		-0.860	8.013	15.202	1.00 17.50
ATOM	940	CA	HIS A		0.264	7.277	14.623	1.00 16.22
ATOM	941	CB	HIS A		-0.110	6.473	13.360	1.00 18.79
	942	CG	HIS A		-1.152	5.414	13.571	1.00 19.38
MOTA		ND1	HIS A		-2.419	5.691	14.034	1.00 20.18
ATOM	943	CE1	HIS A		-3.116	4.572	14.115	1.00 22.60
ATOM	944					3.579	13.680	1.00 22.19
ATOM	945	NE2	HIS A		-2.358	4.078	13.344	1.00 20.32
ATOM	946	CD2	HIS A		-1.121		14.295	1.00 20.32
ATOM	947	С	HIS A		1.494	8.093		
ATOM	948	0	HIS A		2.513	7.496	13.947	1.00 17.71
ATOM	949	N	ASN A		1.428	9.423	14.394	1.00 16.24
ATOM	950	CA	ASN A		2.590	10.238	14.046	1.00 17.25
MOTA	951	CB	ASN A		2.470	10.816	12.632	1.00 17.99
MOTA	952	CG	ASN A		2.330	9.741	11.562	1.00 18.27
ATOM	953	OD1	ASN A	138	1.219	9.397	11.126	1.00 25.07
ATOM	954	ND2	ASN A	138	3.457	9.169	11.189	1.00 19.74
ATOM	955	С	ASN A	138	2.684	11.382	15.044	1.00 14.09
MOTA	956	0	ASN A	138	1.676	11.996	15.397	1.00 15.42
ATOM	957	N	ILE A	139	3.904	11.633	15.485	1.00 13.67
ATOM	958	CA	ILE A	139	4.204	12.739	16.391	1.00 13.12
ATOM	959	СВ	ILE A		4.750	12.186	17.716	1.00 14.52
ATOM	960	CG1	ILE A		3.714	11.302	18.394	1.00 14.31
ATOM	961	CD1	ILE A		4.274	10.494	19.577	1.00 15.81
ATOM	962	CG2	ILE A		5.125	13.346	18.653	1.00 15.50
ATOM	963	C	ILE A		5.282	13.581	15.752	1.00 15.31
ATOM	964	Ö	ILE A		6.323	13.073	15.333	1.00 16.48
ATOM	965	N	VAL A		5.076	14.892	15.788	1.00 14.75
ATOM	966	CA	VAL A		6.049	15.831	15.231	1.00 15.93
	967	CB	VAL A		5.367	16.704	14.177	1.00 15.43
ATOM	968	CG1	VAL A		6.329	17.788	13.728	1.00 16.73
ATOM	969	CG1			4.898	15.852	12.985	1.00 17.63
ATOM		CGZ	VAL A		6.531	16.700	16.377	1.00 16.09
ATOM	970				5.717	17.295	17.053	1.00 18.31
ATOM	971	0	VAL A			16.702	16.645	1.00 16.31
ATOM	972	N Gr	MET A		7.839		17.741	1.00 10.31
ATOM	973	CA		141	8.421	17.472 16.515		1.00 17.33
MOTA	974	CB	MET A		9.226		18.632	1.00 16.11
MOTA	975	CG	MET A			17.201	19.670	
MOTA	976	SD	MET A		10.679	15.960	20.837	1.00 18.61
ATOM	977	CE	MET A		11.650	16.998	21.959	1.00 19.51
MOTA	978	С	MET A		9.344	18.530	17.127	1.00 17.17
MOTA	979	0	MET A			18.177	16.439	1.00 17.62
ATOM	980	N	VAL A			19.805	17.364	1.00 16.69
MOTA	981	CA	VAL A		9.869	20.876	16.731	1.00 19.57
ATOM	982	CB	VAL A	A 142	9.050	21.674	15.715	1.00 17.61
ATOM	983	CG1	VAL A	142	8.808	20.820	14.463	1.00 20.20
ATOM	984	CG2	VAL A	142	7.675	22.009	16.283	1.00 19.28
ATOM	985	С	VAL A	142	10.477	21.756	17.829	1.00 21.83
ATOM	986	0	VAL A			22.986	17.763	1.00 24.11
ATOM	987	N	THR A			21.091	18.852	1.00 19.91
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ATOM	988	CA	THR A	143	1	1.845	21.727	19.857		20.81
MOTA	989	СВ	THR A	143	1	1.042	22.039	21.108		20.61
MOTA	990	OG1	THR A	143		1.835	22.818	22.014		20.47
ATOM	991	CG2	THR A	143		0.728	20.749	21.898		19.53
MOTA	992	С	THR A	143	1	3.001	20.795	20.195		21.41
ATOM	993	0	THR A	143	1	2.919	19.603	19.953		20.95
ATOM	994	N	GLN A	144	1	4.096	21.337	20.719		21.06
MOTA	995	CA	GLN A	144	1	5.047	20.523	21.456		21.41
ATOM	996	СВ	GLN A	144	1	6.453	21.107	21.274		20.22
ATOM	997	CG	GLN A		1	6.883	21.003	19.815		24.39
ATOM	998	CD	GLN A	144	1	8.359	21.298	19.583		35.02
ATOM	999	OE1	GLN A	144	1	9.223	20.456	19.834		39.33
ATOM	1000		GLN A		1	8.645	22.494	19.082		39.04
ATOM	1001	С	GLN A		1	4.654	20.440	22.930		21.42
ATOM	1002	0	GLN A		1	3.847	21.248	23.418		22.29
ATOM	1003	N	CYS A		1	5.180	19.442	23.633		22.65
ATOM	1004	CA	CYS A		1	4.894	19.289	25.055		21.56
ATOM	1005	СВ	CYS A		1	5.328	17.917	25.563		24.41
ATOM	1006	SG	CYS A		1	4.340	16.594	24.859		25.88
ATOM	1007	C	CYS A		1	5.512	20.364	25.934		22.77
ATOM	1008	0	CYS A		1	4.891	20.755	26.915		24.26
ATOM	1009	N	VAL A		1	6.719	20.828	25.592		23.87
ATOM	1010	CA	VAL A		1	7.339	21.968	26.261		23.79
ATOM	1011	СВ	VAL A		1	8.563	21.575	27.130		24.52
ATOM	1012	CG1				9.148	22.814	27.803		25.21
ATOM	1013	CG2				8.189	20.488	28.141		23.81
ATOM	1014	C	VAL A			7.767	22.977	25.204		24.71
ATOM	1015	0	VAL A		1	8.313	22.613	24.157		25.61
MOTA	1016	N	GLU A			7.443	24.238	25.459		25.28
ATOM	1017	CA	GLU A		1	7.691	25.313	24.508		27.56
ATOM	1018	СВ	GLU A		1	6.406	25.661	23.747		26.39
ATOM	1019	CG	GLU A		1	6.147	24.689	22.609		27.32
ATOM	1020	CD	GLU F			4.780	24.858	21.965		30.78
ATOM	1021	OE1	GLU F		1	3.981	25.680	22.460		34.57
ATOM	1022	OE2				4.494	24.143	20.984		29.08
ATOM	1023	C	GLU F		1	8.200	26.521	25.286		29.05
ATOM	1024	Ö	GLU F			7.526	27.046	26.173		29.89
ATOM	1025	N	LYS F		1	9.419	26.935	24.961		32.08
ATOM	1026	CA	LYS F		2	20.039	28.057	25.662		33.87
ATOM	1027	СВ	LYS F		1	19.459	29.383	25.157		34.11
ATOM	1028	CG	LYS A			19.601	29.554	23.639		39.02
ATOM	1029	CD	LYS A			19.140	30.923	23.161	1.00	46.18
ATOM	1030	CE	LYS A		1	19.201	31.029	21.638	1.00	
MOTA	1031	NZ	LYS A			18.688	32.332	21.111		48.93
MOTA	1032	C	LYS A			19.970	27.934	27.190		32.87
ATOM	1032	Ö	LYS A			19.718	28.910	27.909		34.86
ATOM	1033	N	GLY A			20.203	26.721	27.676		32.51
ATOM	1034	CA	GLY A			20.364	26.475	29.100		31.75
ATOM	1036	C	GLY A			19.065	26.281	29.850		32.98
ATOM	1030	0	GLY A			19.060	26.224	31.078		34.77
ATOM	1037	N	ARG A			17.960	26.198	29.113		28.60
ATOM	1039	CA	ARG A			16.636	26.155	29.727	1.00	29.87
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D. (10) /	1040	CD.	ARG A	7.	150	15.753	27.256	29.140	1.00 27.76
MOTA	1040 1041	CB CG	ARG A			14.682	27.764	30.090	1.00 38.86
ATOM ATOM	1041	CD	ARG A			13.434	26.895	30.207	1.00 47.60
ATOM	1042	NE	ARG A			12.793	27.055	31.514	1.00 53.99
ATOM	1043	CZ	ARG A			11.684	27.754	31.725	1.00 57.80
ATOM	1044	NH1				11.080	28.354	30.708	1.00 60.31
ATOM	1045	NH2	ARG A			11.170	27.851	32.947	1.00 59.21
ATOM	1047	C	ARG A			16.059	24.827	29.300	1.00 26.37
ATOM	1047	0	ARG A			16.204	24.456	28.136	1.00 26.29
ATOM	1049	N	VAL A			15.407	24.129	30.226	1.00 27.16
ATOM	1050	CA	VAL A			14.784	22.862	29.876	1.00 26.73
ATOM	1051	CB	VAL A			14.567	21.979	31.132	1.00 27.55
ATOM	1052	CG1	VAL 2			13.608	20.849	30.835	1.00 25.30
ATOM	1053	CG2	VAL A			15.909	21.399	31.605	1.00 29.25
ATOM	1054	C	VAL A			13.486	23.199	29.136	1.00 24.76
ATOM	1055	0	VAL I			12.697	24.027	29.612	1.00 28.00
ATOM	1056	N	LYS			13.285	22.595	27.964	1.00 23.05
ATOM	1057	CA	LYS			12.147	22.954	27.114	1.00 23.12
ATOM	1058	СВ	LYS I			12.622	23.481	25.741	1.00 24.16
ATOM	1059	CG	LYS Z			13.479	24.753	25.812	1.00 26.71
ATOM	1060	CD	LYS	Α	152	12.677	26.053	25.966	1.00 31.53
MOTA	1061	CE	LYS I			13.274	27.189	25.109	1.00 31.75
ATOM	1062	NZ	LYS Z	Α	152	13.081	28.512	25.766	1.00 39.48
ATOM	1063	С	LYS 2	Α	152	11.170	21.809	26.923	1.00 22.29
ATOM	1064	0	LYS 2	Α	152	9.987	22.029	26.641	1.00 18.68
ATOM	1065	N	CYS	A	153	11.677	20.599	27.139	1.00 22.37
ATOM	1066	CA	CYS I	Α	153	10.914	19.385	26.901	1.00 20.12
MOTA	1067	CB	CYS	Α	153	10.752	19.107	25.412	1.00 19.37
ATOM	1068	SG	CYS	A	153	9.611	17.737	25.063	1.00 18.76
MOTA	1069	С	CYS	Α	153	11.640	18.241	27.567	1.00 20.48
MOTA	1070	0	CYS			12.868	18.148	27.498	1.00 21.39
MOTA	1071	N	ASP .			10.892	17.375	28.230	1.00 21.01
MOTA	1072	CA	ASP .			11.490	16.164	28.782	1.00 20.95
ATOM	1073	CB	ASP :			10.524	15.523	29.772	1.00 21.87
MOTA	1074	CG	ASP .			11.150	14.365	30.511	1.00 25.17
MOTA	1075		ASP .			12.202	14.589	31.155	1.00 24.97
MOTA	1076		ASP .			10.662	13.223	30.477	1.00 24.65
ATOM	1077	C	ASP .			11.831	15.185	27.650	1.00 20.85
MOTA	1078	0	ASP .			11.233	15.218	26.586	1.00 20.84
ATOM	1079	N	HIS .			12.838	14.337	27.860	1.00 20.25
ATOM	1080	CA	HIS .			13.113	13.265	26.916 27.069	1.00 20.33
ATOM	1081	CB	HIS .			14.579	12.839	26.007	1.00 21.00
ATOM	1082	CG	HIS .			15.056	11.901 10.591	25.915	1.00 25.15
ATOM	1083		HIS .			14.630	10.003	24.900	1.00 24.10
ATOM	1084		HIS.			15.237	10.877	24.340	1.00 27.20
ATOM	1085		HIS .			16.056		25.026	1.00 27.20
ATOM	1086		HIS .			15.975 12 157	12.067 12.112	27.240	1.00 20.30
MOTA	1087	C	HIS .			12.157 12.458	11.225	28.053	1.00 20.30
MOTA	1088	N O	TYR .			10.960	12.181	26.666	1.00 19.16
ATOM ATOM	1089	N CA	TYR .			9.814	11.436	27.165	1.00 18.36
	1090 1091	CB	TYR .			8.520	12.247	27.103	1.00 18.65
ATOM	エロシエ	CD	IIIV .	- 1	100	0.520		,001	

ATOM	1092	CG	TYR A	156	8.250	12.664	25.569	1.00 17.99
ATOM	1093	CD1	TYR A	156	7.624	11.796	24.669	1.00 16.25
ATOM	1094	CE1	TYR A	156	7.427	12.171	23.328	1.00 16.10
ATOM	1095	CZ	TYR A	156	7.776	13.457	22.936	1.00 15.17
ATOM	1096	ОН	TYR A	156	7.497	13.806	21.627	1.00 15.03
ATOM	1097	CE2	TYR A	156	8.397	14.321	23.810	1.00 21.32
ATOM	1098	CD2	TYR A	156	8.618	13.922	25.132	1.00 16.85
ATOM	1099	С	TYR A	156	9.678	10.091	26.469	1.00 17.96
ATOM	1100	0	TYR A	156	8.723	9.365	26.730	1.00 18.06
ATOM	1101	N	TRP A		10.660	9.764	25.635	1.00 19.28
ATOM	1102	CA	TRP A		10.722	8.482	24.933	1.00 20.13
ATOM	1103	СВ	TRP A		10.668	8.723	23.414	1.00 18.70
ATOM	1104	CG	TRP A		11.885	9.431	22.911	1.00 18.38
ATOM	1105	CD1		157	13.031	8.858	22.463	1.00 20.53
ATOM	1106	NE1	TRP A		13.924	9.827	22.075	1.00 19.49
ATOM	1107	CE2	TRP A		13.387	11.061	22.338	1.00 17.77
ATOM	1108	CD2	TRP A		12.085	10.848	22.833	1.00 18.54
ATOM	1109	CE3	TRP A		11.320	11.955	23.192	1.00 20.35
ATOM	1110	CZ3	TRP A		11.836	13.222	23.012	1.00 20.87
ATOM	1111	CH2	TRP A		13.145	13.404	22.500	1.00 22.03
ATOM	1112	CZ2	TRP A		13.920	12.335	22.150	1.00 20.41
ATOM	1113	C	TRP A		11.993	7.755	25.370	1.00 22.07
ATOM	1114	0	TRP A		12.912	8.357	25.928	1.00 21.87
ATOM	1115	N	PRO A		12.042	6.446	25.173	1.00 23.81
ATOM	1116	CA	PRO A		13.207	5.671	25.615	1.00 25.18
ATOM	1117	CB	PRO A		12.854	4.227	25.238	1.00 25.31
	1117	CG	PRO A		11.341	4.234	25.220	1.00 24.87
MOTA	1119	CD	PRO A		10.976	5.594	24.619	1.00 25.87
MOTA	1120	C	PRO A		14.515	6.105	24.973	1.00 24.62
MOTA	1121	0	PRO A		14.568	6.599	23.836	1.00 24.33
MOTA	1122	N	ALA A		15.567	5.872	25.742	1.00 25.95
ATOM	1123	CA	ALA A		16.937	6.192	25.347	1.00 27.03
ATOM ATOM	1123	CB	ALA A		17.775	6.378	26.592	1.00 26.95
	1125	C	ALA A		17.529	5.113	24.441	1.00 28.60
MOTA	1126	0	ALA A		18.512	5.345	23.723	1.00 31.08
MOTA	1127	N	ASP A		16.921	3.932	24.461	1.00 26.27
ATOM ATOM	1128	CA	ASP A		17.429	2.795	23.710	1.00 26.44
	1129	CB	ASP A		18.488	2.056	24.529	1.00 27.67
MOTA	1129	CG	ASP A		17.981	1.620	25.873	1.00 28.84
MOTA	1131		ASP A		16.776	1.290	26.014	1.00 26.79
ATOM			ASP A		18.735	1.597	26.865	1.00 32.92
ATOM	1132		ASP A		16.296	1.855	23.363	1.00 25.36
ATOM	1133	С	ASP A		15.141	2.250	23.501	1.00 23.64
ATOM	1134	0	GLN A		16.614	0.641	22.915	1.00 23.95
ATOM	1135	N			15.585	-0.240	22.365	1.00 24.83
ATOM	1136	CA	GLN A		16.094	-1.043	21.164	1.00 24.03
ATOM	1137	CB	GLN A			-0.146	20.012	1.00 20.03
ATOM	1138	CG	GLN A		16.563	-0.146	18.682	1.00 32.07
ATOM	1139	CD	GLN A		16.766	-0.870	18.566	1.00 42.17
ATOM	1140	OE1			16.550		17.675	1.00 44.45
MOTA	1141	NE2			17.202	-0.125	23.415	1.00 44.30
ATOM	1142	С	GLN A		14.907	-1.126		1.00 25.04
MOTA	1143	0	GLN A	161	14.058	-1.955	23.069	1.00 20.13

ATOM	1144	N	ASP A	A	162	15.219	-0.906	24.689		21.69
ATOM	1145	CA	ASP 2			14.621	-1.750	25.724		22.06
ATOM	1146	СВ	ASP A	Α	162	15.416	-1.717	27.025		20.34
ATOM	1147	CG	ASP .	A	162	16.797	-2.326	26.891		29.79
ATOM	1148		ASP .	A	162	17.083	-2.995	25.878		31.31
ATOM	1149		ASP .			17.657	-2.177	27.779		39.34
ATOM	1150	С	ASP .			13.240	-1.174	26.011		20.10
ATOM	1151	0	ASP .			13.149	0.028	26.267		21.67
ATOM	1152	N	SER			12.210	-2.020	26.029		22.00
ATOM	1153	CA	SER			10.860	-1.555	26.374		19.52
ATOM	1154	СВ	SER			9.797	-2.621	26.127		19.81
ATOM	1155	OG	SER			10.079	-3.816	26.840		24.08
ATOM	1156	С	SER			10.742	-0.998	27.791		20.81
ATOM	1157	0	SER			11.529	-1.343	28.699		19.79
ATOM	1158	N	LEU			9.765	-0.123	27.987		20.37
ATOM	1159	CA	LEU			9.525	0.494	29.298		20.27
ATOM	1160	СВ	LEU			10.225	1.847	29.418		21.91
ATOM	1161	CG	LEU			11.716	2.029	29.730		28.59
ATOM	1162	CD1				11.962	3.530	29.619		32.46
ATOM	1163		LEU			11.994	1.587	31.160		29.88
ATOM	1164	С	LEU			8.031	0.814	29.392		17.64
ATOM	1165	0	LEU			7.400	1.129	28.385		19.87
ATOM	1166	N	TYR			7.511	0.782	30.613		18.28
ATOM	1167	CA	TYR			6.148	1.247	30.880		16.77
ATOM	1168	СВ	TYR			5.625	0.605	32.160	1.00	17.12
ATOM	1169	CG	TYR			4.965	-0.711	31.893	1.00	20.15
ATOM	1170	CD1				3.698	-0.753	31.322		21.67
ATOM	1171	CE1				3.081	-1.967	31.054	1.00	19.75
ATOM	1172	CZ	TYR			3.726	-3.137	31.372		23.95
ATOM	1173	OH	TYR			3.113	-4.342	31.095		28.45
ATOM	1174	CE2				4.972	-3.123	31.935		21.42
ATOM	1175	CD2				5.587	-1.906	32.230		21.96
ATOM	1176	C	TYR			6.107	2.749	31.085		19.28
ATOM	1177	Ō	TYR			6.948	3.318	31.778		22.32
ATOM	1178	N	TYR			5.105	3.372	30.480		19.16
ATOM	1179	CA	TYR			4.668	4.714	30.858		18.90
ATOM	1180	СВ	TYR	А	166	4.762	5.650	29.639		19.56
ATOM	1181	CG	TYR	Α	166	6.180	5.875	29.174		18.34
ATOM	1182	CD1	TYR	Α	166	6.896	6.985	29.601		16.76
ATOM	1183	CE1	TYR	Α	166	8.223	7.190	29.153	1.00	
ATOM	1184	CZ			166	8.777	6.306	28.245		22.27
ATOM	1185	ОН	TYR	Α	166	10.067	6.497	27.780		24.37
ATOM	1186		TYR			8.067	5.222	27.789		26.25
ATOM	1187		TYR			6.768	5.016	28.245		22.49
ATOM	1188	C			166	3.235	4.628	31.372		19.75
ATOM	1189	Ö			166	2.297	4.549	30.586		20.21
ATOM	1190	N			167	3.032	4.609	32.694		20.43
ATOM	1191	CA			167	1.684	4.310	33.165		21.54
ATOM	1192	C			167	1.209	2.931	32.728		23.50
ATOM	1193	0			167	1.932	1.957	32.943		23.77
ATOM	1194	N			168	0.029	2.885	32.099		21.81
ATOM	1195	CA			168	-0.673	1.718	31.567	1.00	26.70
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ATOM	1196	СВ	ASP	Α	168	-2.086	2.171	31.152	1.00 28.49
ATOM	1197	CG	ASP	Α	168	-3.021	2.345	32.289	1.00 35.95
ATOM	1198	OD1				-2.581	2.521	33.451	1.00 44.09
ATOM	1199		ASP		168	-4.248	2.352	32.078	1.00 36.92
ATOM	1200	C	ASP			-0.150	1.270	30.206	1.00 24.58
ATOM	1201	0	ASP		168	-0.717	0.345	29.619	1.00 26.11
	1201	N	LEU		169	0.840	1.971	29.657	1.00 21.74
MOTA			LEU		169	1.205	1.797	28.261	1.00 19.33
ATOM	1203	CA	LEU			1.174	3.152	27.567	1.00 19.99
ATOM	1204	CB					3.109	26.095	1.00 25.20
MOTA	1205	CG	LEU			1.541		25.397	1.00 25.20
MOTA	1206	CD1				0.471	3.894		1.00 25.72
ATOM	1207		LEU			2.886	3.769	25.917	
MOTA	1208	С	LEU			2.619	1.256	28.197	1.00 20.65
MOTA	1209	0	LEU			3.485	1.740	28.907	1.00 21.93
ATOM	1210	N			170	2.857	0.250	27.370	1.00 18.58
MOTA	1211	CA			170	4.239	-0.182	27.197	1.00 19.82
MOTA	1212	CB	ILE	Α	170	4.309	-1.728	27.237	1.00 19.31
MOTA	1213	CG1	ILE	Α	170	5.746	-2.220	26.983	1.00 22.75
MOTA	1214	CD1	ILE	Α	170	6.454	-2.519	28.252	1.00 22.15
ATOM	1215	CG2	ILE	Α	170	3.367	-2.344	26.238	1.00 22.33
ATOM	1216	С	ILE	Α	170	4.745	0.359	25.870	1.00 19.44
ATOM	1217	0	ILE	Α	170	4.000	0.382	24.898	1.00 19.22
ATOM	1218	N	LEU	Α	171	6.009	0.775	25.817	1.00 18.90
ATOM	1219	CA			171	6.505	1.440	24.631	1.00 18.91
ATOM	1220	CB	LEU			6.697	2.923	24.954	1.00 19.73
ATOM	1221	CG	LEU			7.108	3.758	23.751	1.00 25.25
ATOM	1222	CD1				6.670	5.162	24.054	1.00 28.25
ATOM	1223		LEU			8.618	3.703	23.723	1.00 29.29
ATOM	1223	C			171	7.852	0.820	24.354	1.00 19.14
	1225	0			171	8.556	0.467	25.305	1.00 18.74
MOTA					172	8.174	0.655	23.074	1.00 17.00
ATOM	1226	N			172	9.485	0.117	22.713	1.00 18.63
ATOM	1227	CA					-1.379	22.439	1.00 10.03
ATOM	1228	CB	GLN			9.392		22.439	1.00 25.23
ATOM	1229	CG			172	10.724	-2.109		1.00 23.23
MOTA	1230	CD			172	10.473	-3.552	21.842	
MOTA	1231	OE1				9.779	-3.776	20.859	
MOTA	1232	NE2				11.024	-4.521	22.559	1.00 24.05
ATOM	1233	C			172	9.946	0.820	21.464	1.00 17.56
MOTA	1234	0			172	9.242	0.825	20.460	1.00 20.89
MOTA	1235	N	MET			11.166		21.506	1.00 18.09
MOTA	1236	CA			173	11.703	2.006	20.315	1.00 19.64
ATOM	1237	CB	MET	Α	173	12.860	2.934	20.713	1.00 15.61
MOTA	1238	CG	MET	Α	173	13.415	3.696	19.493	1.00 20.90
MOTA	1239	SD	MET	A	173	14.248	5.251	19.921	1.00 22.90
MOTA	1240	CE			173	15.666	4.695	20.787	1.00 24.34
ATOM	1241	С			173	12.262	0.942	19.386	1.00 20.45
ATOM	1242	0			173	13.189	0.219	19.790	1.00 23.02
ATOM	1243	N			174	11.783	0.916	18.144	1.00 19.05
ATOM	1244	CA			174	12.245	-0.028	17.131	1.00 20.65
ATOM	1245	CB			174	11.102	-0.481	16.243	1.00 22.05
ATOM	1246	CG			174	9.874	-1.071	16.934	1.00 19.97
ATOM	1247		LEU			8.825	-1.459	15.899	1.00 25.97
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ATOM	1248	CD2	LEU A	174		10.205	-2.246	17.825	1.00 24.09
MOTA	1249	С	LEU A	174		13.385	0.487	16.262	1.00 22.40
ATOM	1250	0	LEU A	174		14.226	-0.290	15.807	1.00 23.87
ATOM	1251	N	SER A	175		13.419	1.794	16.031	1.00 21.05
ATOM	1252	CA	SER A			14.501	2.374	15.250	1.00 20.96
ATOM	1253	СВ	SER A			14.261	2.317	13.743	1.00 19.89
ATOM	1254	OG	SER A			13.038	2.900	13.345	1.00 21.43
ATOM	1255	C	SER A			14.670	3.819	15.645	1.00 18.88
	1256	0	SER A			13.739	4.466	16.097	1.00 19.35
ATOM		N	GLU A			15.880	4.300	15.439	1.00 17.31
ATOM	1257		GLU A			16.187	5.707	15.592	1.00 17.56
MOTA	1258	CA				16.755	5.907	16.988	1.00 19.24
ATOM	1259	CB	GLU A				7.278	17.319	1.00 22.48
MOTA	1260	CG	GLU A			17.299	7.337	18.749	1.00 24.54
MOTA	1261	CD	GLU A			17.792			1.00 24.34
ATOM	1262	OE1	GLU A			18.951	6.933	19.003	
ATOM	1263	OE2		176		17.050	7.813	19.612	
MOTA	1264	С	GLU A			17.141	6.067	14.463	1.00 17.07
MOTA	1265	0	GLU A	176		18.276	5.559	14.397	1.00 19.83
MOTA	1266	N	SER A	177		16.684	6.953	13.579	1.00 18.92
MOTA	1267	CA	SER A	177		17.484	7.339	12.419	1.00 20.17
MOTA	1268	CB	SER A	177		16.766	6.925	11.139	1.00 19.64
ATOM	1269	OG	SER A	177		16.378	5.553	11.196	1.00 26.41
ATOM	1270	С	SER A	177		17.786	8.844	12.477	1.00 18.07
ATOM	1271	0	SER A			16.922	9.671	12.295	1.00 16.18
ATOM	1272	N	VAL A			19.035	9.210	12.728	1.00 19.19
ATOM	1273	CA	VAL A			19.408	10.605	12.863	1.00 18.44
ATOM	1274	CB	VAL A			20.648	10.758	13.802	1.00 18.96
ATOM	1275	CG1			•	21.063	12.211	13.900	1.00 19.33
ATOM	1276	CG2				20.350	10.128	15.180	1.00 22.08
	1277	C	VAL A			19.814	11.098	11.472	1.00 17.78
MOTA	1277	0	VAL A			20.753	10.578	10.850	1.00 18.38
MOTA		N	LEU A			19.070	12.075	10.970	1.00 18.02
ATOM	1279		LEU A			19.347	12.663	9.663	1.00 16.64
ATOM	1280	CA				18.074	12.673	8.777	1.00 17.91
ATOM	1281	CB	LEU A			17.193	11.405	8.899	1.00 18.10
ATOM	1282	CG	LEU A				11.510	8.066	1.00 18.94
MOTA	1283		LEU A			15.925		8.610	1.00 15.53
MOTA	1284		LEU A			17.912	10.091	9.914	1.00 17.92
MOTA	1285	С	LEU A			19.922	14.059	11.066	1.00 17.32
ATOM	1286	0	LEU A			20.078	14.486		1.00 15.89
MOTA	1287	N	PRO A				14.764		
MOTA	1288	CA	PRO A			20.946	16.077	9.031	1.00 17.67
ATOM	1289	CB	PRO A			21.055	16.593	7.609	1.00 16.61
MOTA	1290	CG	PRO A	180		21.283	15.311	6.840	1.00 17.50
MOTA	1291	CD	PRO A	180		20.255	14.354	7.454	1.00 16.79
MOTA	1292	С	PRO A	180		20.190	17.085	9.863	1.00 17.87
MOTA	1293	0	PRO A	180		20.802	17.756	10.702	1.00 19.82
ATOM	1294	N	GLU A	181		18.878	17.189	9.656	1.00 17.72
ATOM	1295	CA	GLU A			18.130	18.231	10.335	1.00 19.40
ATOM	1296	СВ	GLU A			17.737	19.349	9.366	1.00 20.16
ATOM	1297	CG	GLU A			18.973	20.058	8.833	1.00 24.30
ATOM	1298	CD	GLU A			18.615	21.064	7.765	1.00 30.86
ATOM	1299	OE1				17.597	20.866	7.057	1.00 33.00

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ATOM	1300	OE2	GLU A	181	19.384	22.040	7.641	1.00 39.73
MOTA	1301	С	GLU A	181	16.890	17.704	11.048	1.00 19.38
ATOM	1302	0	GLU A	181	16.209	18.470	11.692	1.00 19.21
ATOM	1303	N	TRP A		16.619	16.405	10.942	1.00 16.49
ATOM	1304	CA	TRP A		15.667	15.784	11.836	1.00 16.57
	1305	CB	TRP A		14.242	15.924	11.286	1.00 15.22
ATOM	1306	CG	TRP A		14.026	15.548	9.833	1.00 13.61
ATOM		CD1	TRP A		13.615	14.342	9.354	1.00 15.76
ATOM	1307				13.472	14.385	7.987	1.00 16.34
ATOM	1308	NE1	TRP A		13.726	15.663	7.565	1.00 13.66
MOTA	1309	CE2	TRP A		14.072	16.427	8.713	1.00 14.52
ATOM	1310	CD2	TRP A		14.072	17.767	8.547	1.00 16.17
ATOM	1311	CE3	TRP A				7.265	1.00 17.28
MOTA	1312	CZ3	TRP A		14.369	18.307		1.00 17.20
ATOM	1313	CH2	TRP A		14.019	17.520	6.154	
MOTA	1314	CZ2	TRP A		13.697	16.196	6.281	
ATOM	1315	С	TRP A	182	16.019	14.330	12.118	1.00 17.43
ATOM	1316	0	TRP A	182	16.831	13.721	11.423	1.00 16.83
MOTA	1317	N	THR A	183	15.372	13.776	13.135	1.00 17.91
ATOM	1318	CA	THR A	183	15.570	12.391	13.524	1.00 17.41
MOTA	1319	CB	THR A	183	16.158	12.387	14.941	1.00 17.91
ATOM	1320	OG1	THR A	183	17.508	12.889	14.867	1.00 19.93
ATOM	1321	CG2	THR A	183	16.379	10.952	15.444	1.00 19.10
ATOM	1322	С	THR A		14.216	11.704	13.494	1.00 18.88
ATOM	1323	0	THR A		13.253	12.259	14.020	1.00 17.96
ATOM	1324	N	ILE A		14.159	10.521	12.884	1.00 14.76
ATOM	1325	CA	ILE A		12.915	9.770	12.795	1.00 15.33
ATOM	1326	CB	ILE A		12.636	9.313	11.362	1.00 15.60
ATOM	1327	CG1	ILE A		12.620	10.508	10.410	1.00 14.39
	1328	CD1	ILE A		12.371	10.133	8.960	1.00 16.80
ATOM	1329	CG2	ILE A		11.318	8.518	11.307	1.00 18.05
ATOM	1330	C	ILE A		13.050	8.539	13.682	1.00 16.19
ATOM	1331	0	ILE A		13.965	7.725	13.524	1.00 18.12
ATOM			ARG A		12.106	8.368	14.592	1.00 16.20
ATOM	1332	N			12.103	7.159	15.425	1.00 15.84
ATOM	1333	CA	ARG A		12.137	7.551	16.904	1.00 14.71
ATOM	1334	CB	ARG A		13.505	8.055	17.326	1.00 14.82
MOTA	1335	CG	ARG A			8.727	18.685	1.00 17.62
MOTA	1336	CD	ARG A		13.468	9.174	19.013	1.00 21.26
MOTA	1337	NE	ARG A		14.822	10.448	18.973	1.00 21.83
MOTA	1338	CZ	ARG A		15.195	11.379		
MOTA	1339		ARG A		14.345			1.00 21.05
MOTA	1340		ARG A		16.422	10.807	19.323	1.00 20.30
MOTA	1341	С	ARG A		10.808	6.386	15.181	1.00 18.49
MOTA	1342	0	ARG A		9.775	6.967	14.866	
MOTA	1343	N	GLU A		10.876	5.063	15.330	1.00 18.06
ATOM	1344	CA	GLU A	186	9.653	4.289	15.251	1.00 18.19
ATOM	1345	CB	GLU A		9.729	3.232	14.126	1.00 18.51
MOTA	1346	CG	GLU A		8.354	2.622	13.856	1.00 22.77
MOTA	1347	CD	GLU A	186	8.367	1.477	12.851	1.00 31.07
ATOM	1348	OE1	GLU A	186	7.330	1.279	12.179	1.00 37.68
ATOM	1349	OE2			9.388	0.775	12.730	1.00 33.77
ATOM	1350	С	GLU A		9.452	3.600	16.597	1.00 18.63
ATOM	1351	0	GLU A		10.411	3.051	17.142	1.00 19.33
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MOTA	1352	N	PHE A	187	8.223	3.614	17.108	1.00	
ATOM	1353	CA	PHE A	187	7.927	2.978	18.399		18.08
ATOM	1354	СВ	PHE A	187	7.426	4.006	19.415	_	18.99
ATOM	1355		PHE A		8.400	5.092	19.715		19.80
ATOM	1356		PHE A		8.155	6.382	19.283	1.00	21.67
ATOM	1357		PHE A		9.066	7.403	19.559	1.00	23.38
	1358	CZ	PHE A		10.242	7.106	20.223	1.00	20.03
ATOM			PHE A		10.489	5.828	20.641		25.29
MOTA	1359				9.595	4.819	20.369		22.12
MOTA	1360		PHE A			1.954	18.257		19.06
MOTA	1361	С	PHE A		6.815				18.23
MOTA	1362	0	PHE A		5.881	2.161	17.472		18.39
MOTA	1363		LYS A		6.898	0.863	19.018		
MOTA	1364	CA	LYS A		5.718	0.006	19.179		19.84
MOTA	1365	CB	LYS A	188	6.146	-1.466	19.179		21.30
MOTA	1366	CG	LYS A	188	4.994	-2.449	19.361		29.28
ATOM	1367	CD	LYS A	188	5.549	-3.835	19.650		39.42
ATOM	1368	CE	LYS A	188	4.535	-4.915	19.312		41.60
ATOM	1369	NZ	LYS A		5.247	-6.141	18.830	1.00	47.94
ATOM	1370	C	LYS A		5.076	0.377	20.513	1.00	17.53
	1371	0	LYS A		5.765	0.472	21.511	1.00	20.08
MOTA		N	ILE A		3.761	0.584	20.551		18.34
ATOM	1372		ILE A		3.063	0.924	21.781		18.37
ATOM	1373	CA			2.662	2.409	21.729		17.71
ATOM	1374	CB	ILE A			2.932	23.051		18.61
ATOM	1375		AILE A		2.140		20.521		19.99
MOTA	1376		BILE A		1.794	2.771			20.42
MOTA	1377		AILE A		1.758	4.385	22.938		
MOTA	1378		BILE A		1.063	4.085	20.730		24.91
MOTA	1379		AILE A		1.579	2.616	20.661		18.62
ATOM	1380	CG2E	BILE A	189	3.921	3.269	21.880		16.15
ATOM	1381	С	ILE A	189	1.848	-0.013	21.922		17.83
MOTA	1382	0	ILE A	189	1.239	-0.400	20.918		16.89
ATOM	1383	N	CYS A	190	1.567	-0.403	23.165		19.24
ATOM	1384	CA	CYS A		0.313	-1.068	23.547		19.00
ATOM	1385	СВ	CYS A		0.590	-2.542	23.881	1.00	17.53
ATOM	1386	SG	CYS A		1.496	-3.470	22.591	1.00	25.53
ATOM	1387	C	CYS A		-0.258	-0.402	24.791	1.00	18.76
		0	CYS A		0.428	-0.293	25.789		18.93
ATOM	1388	N	GLY A		-1.534	-0.004	24.757		18.32
ATOM	1389		GLY A		-2.213	0.527	25.930		20.25
MOTA	1390	CA				-0.202	26.162		20.72
ATOM	1391	C	GLY A				25.606		20.46
ATOM	1392	0	GLY A		-3.740	-1.262			22.42
MOTA	1393	N	GLU A		-4.386	0.359	27.002		
MOTA	1394	CA	GLU A		-5.677	-0.253	27.279		24.91
MOTA	1395	CB	GLU A		-6.421	0.585	28.315		23.09
ATOM	1396	CG	GLU A	192	-7.854	0.111	28.537		29.54
ATOM	1397	CD	GLU A	192	-8.646	0.961	29.512		32.49
ATOM	1398	OE1	GLU A		-8.290	2.150	29.745		31.32
ATOM	1399		GLU A		-9.661	0.426	30.018	1.00	34.67
ATOM	1400	C	GLU A		-6.461	-0.414	25.974	1.00	24.14
	1400	0	GLU A		-6.810	0.567	25.289	1.00	24.16
ATOM		N	GLU A		-6.719	-1.671	25.612		25.67
ATOM	1402				-7.236	-1.978	24.284		26.65
ATOM	1403	CA	GLU A	T 3 3	-1.236	-1.970	24.204	1.00	

ATOM	1404	CB	GLU A	. 193	-7.337	-3.489	24.068	1.00 28.45
ATOM	1405	CG	GLU A	. 193	-7.767	-3.843	22.648	1.00 29.15
ATOM	1406	CD	GLU A	. 193	-7.780	-5.342	22.405	1.00 34.41
ATOM	1407	OE1	GLU A	193	-7.163	-6.077	23.211	1.00 33.00
ATOM	1408	OE2	GLU A		-8.400	-5.778	21.408	1.00 34.70
ATOM	1409	C	GLU A		-8.598	-1.366	24.010	1.00 30.04
	1410	0	GLU A		-9.510	-1.555	24.810	1.00 29.04
ATOM ATOM	1411	N	GLN A		-8.730	-0.635	22.902	1.00 28.72
	1412	CA	GLN A		-10.054	-0.254	22.417	1.00 30.57
ATOM	1413	CB	GLN A		-10.349	1.229	22.654	1.00 30.30
ATOM		CG	GLN A		-10.354	1.700	24.097	1.00 38.21
ATOM	1414		GLN F		-10.661	3.192	24.205	1.00 45.81
MOTA	1415	CD			-11.766	3.629	23.868	1.00 47.74
MOTA	1416	OE1			-9.682	3.976	24.667	1.00 48.46
MOTA	1417		GLN F		-10.138	-0.612	20.937	1.00 30.81
ATOM	1418	С	GLN F		-10.138	-1.762	20.596	1.00 31.43
MOTA	1419	0	GLN F			0.343	20.056	1.00 30.77
MOTA	1420	N	LEU A		-9.843	0.103	18.620	1.00 31.53
MOTA	1421	CA	LEU A		-9.869	1.419	17.833	1.00 32.19
ATOM	1422	CB	LEU A		-9.860		17.673	1.00 32.13
MOTA	1423	CG	LEU A		-11.132	2.254	16.579	1.00 37.07
MOTA	1424	CD1	LEU A		-10.860	3.277		1.00 36.45
MOTA	1425	CD2	LEU A		-12.359	1.404	17.322	1.00 30.43
MOTA	1426	С	LEU A		-8.692	-0.729	18.144	
MOTA	1427	0	LEU A		-8.796	-1.454	17.159	1.00 32.54
ATOM	1428	N	ASP A			-0.607	18.821	1.00 29.57
ATOM	1429	CA	ASP A	A 196		-1.492	18.533	1.00 28.34
ATOM	1430	CB	ASP A	196		-0.868	17.558	1.00 26.58
MOTA	1431	CG	ASP A	A 196		0.420	18.063	1.00 27.01
ATOM	1432	OD1	ASP A	A 196	-5.145	0.869	19.183	1.00 27.13
ATOM	1433	OD2	ASP A	A 196	-3.989	1.049	17.375	1.00 25.88
ATOM	1434	С	ASP A	A 196	-5.791	-2.008	19.815	1.00 27.72
MOTA	1435	0	ASP A	A 196	-6.099	-1.550	20.915	1.00 26.99
ATOM	1436	N	ALA A			-2.989	19.653	1.00 26.66
ATOM	1437	CA	ALA Z			-3.646	20.792	1.00 26.48
ATOM	1438	СВ	ALA			-5.145	20.748	1.00 27.66
ATOM	1439	С	ALA			-3.400	20.744	1.00 24.78
ATOM	1440	0	ALA .			-3.483	21.779	1.00 26.10
ATOM	1441	N	HIS .			-3.062	19.573	1.00 23.60
ATOM	1442	CA		A 198		-2.715	19.465	1.00 24.08
ATOM	1443	СВ	HIS.			-3.951	19.353	1.00 26.63
ATOM	1444	CG	HIS			-4.848	18.198	1.00 31.90
ATOM	1445		HIS			-5.914	18.300	1.00 40.11
ATOM	1446		HIS			-6.519	17.128	1.00 38.77
			HIS			-5.886	16.271	1.00 43.28
MOTA	1447		HIS			-4.844	16.918	1.00 33.37
MOTA	1448			A 198		-1.841	18.217	1.00 22.55
MOTA	1449	С		A 198		-1.964	17.329	1.00 24.31
ATOM	1450	0				-0.980	18.167	1.00 20.23
MOTA	1451	N		A 19		0.062	17.138	1.00 18.98
ATOM	1452	CA		A 199		1.295	17.651	1.00 17.45
ATOM	1453	CB		A 19		2.347	16.560	1.00 19.76
MOTA	1454	CG		A 19		3.621	17.129	1.00 19.36
MOTA	1455	CD	ARG	A 19	-1.165	5.021	11.123	1.00 15.00

				_		0 400	2 226	17 0/2	1.00	12 91
MOTA	1456	NE	ARG A			-2.420	3.326	17.842		
ATOM	1457	CZ	ARG A			-2.944	4.092	18.798		18.52
ATOM	1458	NH1	ARG A	1	.99	-2.381	5.247	19.087		17.08
ATOM	1459	NH2	ARG A	1	99	-4.066	3.733	19.428		19.74
ATOM	1460	С	ARG A	1	.99	1.858	0.488	16.894		19.23
ATOM	1461	0	ARG A			2.642	0.507	17.836		20.70
ATOM	1462	N	LEU A			2.183	0.809	15.639		19.23
ATOM	1463	CA	LEU A			3.472	1.424	15.309	1.00	21.60
ATOM	1464	СВ	LEU A			4.021	0.867	13.984	1.00	22.49
ATOM	1465	CG	LEU A			4.201	-0.647	13.999	1.00	27.67
ATOM	1466		LEU A			4.779	-1.119	12.672	1.00	28.09
ATOM	1467		LEU A			5.160	-1.011	15.130	1.00	28.54
	1468	C	LEU A			3.225	2.920	15.166	1.00	21.95
ATOM	1469	0	LEU A			2.245	3.324	14.521	1.00	24.40
ATOM			ILE A			4.088	3.707	15.798	1.00	19.67
MOTA	1470	N CP	ILE A			4.022	5.165	15.845		22.82
ATOM	1471	CA	ILE A			4.022	5.679	17.309		24.19
MOTA	1472	CB				2.877	5.227	18.090		31.22
MOTA	1473	CG1	ILE A			1.753	4.981	17.178		26.82
MOTA	1474	CD1	ILE A				7.245	17.358		27.78
MOTA	1475	CG2	ILE .			4.104		15.190		20.99
MOTA	1476	C	ILE .			5.295	5.667	15.492		21.91
MOTA	1477	0	ILE .			6.374	5.155	14.376		19.22
MOTA	1478	N	ARG .			5.216	6.709			18.14
MOTA	1479	CA	ARG			6.473	7.346	13.949		19.80
MOTA	1480	CB	ARG			6.517	7.524	12.440		25.47
MOTA	1481	CG	ARG			6.696	6.213	11.693		32.91
MOTA	1482	CD	ARG			7.194	6.457	10.291		
MOTA	1483	NE	ARG			7.555	5.237	9.577		38.14
MOTA	1484	CZ	ARG			8.719	4.609	9.709		43.78
MOTA	1485	NH1	ARG			9.646	5.051	10.552		42.73
ATOM	1486	NH2				8.964	3.520	8.994		45.94
MOTA	1487	С	ARG	A 2	202	6.600	8.705	14.639		18.39
ATOM	1488	0	ARG			5.591	9.334	14.917		19.31
MOTA	1489	N	HIS	A 2	203	7.829	9.072	14.982		17.24
ATOM	1490	CA	HIS	Α 2	203	8.142	10.319	15.694		16.77
MOTA	1491	CB	HIS	A 2	203	8.729	9.943	17.068		16.74
MOTA	1492	CG	HIS	A 2	203	8.980	11.095	17.996		17.60
MOTA	1493	ND1	HIS	A 2	203	10.173	11.794	18.011		18.12
ATOM	1494	CE1	HIS	A 2	203	10.133	12.706	18.970		17.49
ATOM	1495	NE2	HIS	A 2	203	8.946	12.647	19.552		17.63
ATOM	1496		HIS			8.221	11.629	18.985		18.26
ATOM	1497	С	HIS			9.178	11.090	14.880		16.45
ATOM	1498	0	HIS	A :	203	10.257	10.574	14.537		16.92
ATOM	1499	N	PHE			8.811	12.326	14.542		17.22
ATOM	1500	CA	PHE			9.613	13.165	13.656		17.63
ATOM	1501	СВ	PHE			8.780	13.662	12.478		17.15
ATOM	1502	CG	PHE			8.211	12.569	11.663		19.02
ATOM	1503		PHE			6.914	12.146	11.891	1.00	17.04
ATOM	1503		PHE			6.350	11.116	11.141	1.00	18.50
	1505	CZ	PHE			7.075	10.508	10.152	1.00	21.34
ATOM	1505		PHE			8.386	10.932	9.889	1.00	22.09
ATOM			PHE			8.952	11.967	10.652	1.00	20.96
MOTA	1507	CDZ	, END		201	3.332				

ATOM	1508	С	PHE A	204	10.142	14.333	14.466	1.00 18.46
ATOM	1509	0	PHE A		9.382	15.198	14.850	1.00 19.13
ATOM	1510	N	HIS A		11.448	14.343	14.733	1.00 19.90
ATOM	1511	CA	HIS A		12.021	15.321	15.644	1.00 19.54
	1512	CB	HIS A		12.825	14.610	16.716	1.00 21.35
ATOM	1513	CG	HIS A		13.401	15.519	17.747	1.00 19.20
ATOM			HIS A		14.407	15.127	18.610	1.00 24.56
ATOM	1514		HIS A		14.724	16.142	19.394	1.00 21.30
ATOM	1515		HIS A		13.962	17.173	19.071	1.00 21.10
ATOM	1516		HIS A		13.130	16.813	18.036	1.00 19.44
MOTA	1517		HIS A		12.960	16.220	14.846	1.00 19.88
MOTA	1518	C			14.049	15.775	14.443	1.00 18.91
ATOM	1519	0	HIS A			17.456	14.670	1.00 18.79
MOTA	1520	N	TYR A		12.504	18.483	13.897	1.00 18.49
MOTA	1521	CA	TYR A		13.205		13.287	1.00 19.17
MOTA	1522	СВ	TYR A		12.172	19.409	12.354	1.00 19.28
MOTA	1523	CG	TYR A		12.754	20.435	11.023	1.00 16.50
MOTA	1524	CD1	TYR P		13.004	20.115		1.00 10.30
MOTA	1525	CE1	TYR F		13.540	21.052	10.141	1.00 17.88
ATOM	1526	CZ	TYR F		13.831	22.327	10.588	1.00 25.31
MOTA	1527	ОН	TYR F		14.365	23.270	9.715	1.00 23.31
ATOM	1528	CE2	TYR F		13.594	22.666	11.904	
ATOM	1529	CD2	TYR F		13.061	21.711	12.794	1.00 23.33
MOTA	1530	С	TYR A		14.064	19.229	14.900	1.00 20.26
MOTA	1531	0	TYR A		13.578	19.732	15.911	1.00 19.79
MOTA	1532	N	THR F		15.368	19.199	14.661	1.00 21.64
ATOM	1533	CA	THR A		16.318	19.479	15.717	1.00 23.75
MOTA	1534	CB	THR A	207	17.403	18.361	15.771	1.00 23.14
MOTA	1535	OG1	THR A	A 207	17.900	18.102	14.449	1.00 24.97
MOTA	1536	CG2	THR A	207	16.813	17.010	16.198	1.00 25.49
MOTA	1537	С	THR A	A 207	17.005	20.826	15.501	1.00 24.68
MOTA	1538	0	THR A	207	17.894	21.182	16.291	1.00 26.32
MOTA	1539	N	VAL A	208	16.588	21.554	14.473	1.00 24.44
MOTA	1540	CA	VAL A	A 208	17.279	22.769	14.010	1.00 26.67
ATOM	1541	CB	VAL A	208	17.996	22.597	12.627	1.00 24.93
ATOM	1542	CG1	VAL A	A 208	19.123	21.595	12.712	1.00 27.87
MOTA	1543	CG2	VAL A	A 208	17.022	22.243	11.490	1.00 27.01
ATOM	1544	С	VAL A	A 208	16.420	24.039	14.032	1.00 26.34
ATOM	1545	0	VAL A	A 208	16.647	24.972	13.252	1.00 29.43
ATOM	1546	N	TRP A	A 209	15.419	24.083	14.903	1.00 25.54
ATOM	1547	CA	TRP A	A 209	14.534	25.244	14.967	1.00 24.37
ATOM	1548	СВ		A 209	13.080	24.768	14.863	1.00 25.75
ATOM	1549	CG		A 209	12.082	25.820	14.491	1.00 19.87
ATOM	1550	CD1			12.153	27.174	14.694	1.00 22.45
ATOM	1551	NE1			11.034	27.786	14.183	1.00 19.81
ATOM	1552	CE2				26.822	13.663	1.00 25.00
ATOM	1553	CD2				25.575	13.847	1.00 22.65
ATOM	1554	CE3				24.414	13.399	1.00 23.01
ATOM	1555	CZ3				24.531	12.793	1.00 19.01
ATOM	1556	CH2				25.789	12.609	1.00 24.83
ATOM	1557	CZ2		A 209		26.940	13.068	1.00 22.36
ATOM	1558	C		A 209		26.021	16.270	1.00 27.04
ATOM	1559	0		A 209		25.567	17.313	1.00 25.79
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ATOM	1560	N	PRO Z	Α 2	210	15.303	27.198	16.230	1.00	
	1561	CA	PRO A			15.452	28.000	17.454	1.00	28.03
ATOM	1562	CB	PRO A			16.386	29.140	17.022	1.00	29.50
ATOM		CG	PRO I			16.944	28.740	15.657	1.00	31.17
ATOM	1563		PRO A			15.880	27.869	15.050	1.00	27.52
ATOM	1564	CD	PRO A			14.111	28.519	17.998		28.48
MOTA	1565	C				13.268	28.944	17.216		28.98
MOTA	1566	0	PRO A			13.200	28.464	19.319		28.19
MOTA	1567	N	ASP A			12.736	28.971	19.993		26.86
MOTA	1568	CA	ASP A				28.792	21.508		27.24
MOTA	1569	CB	ASP			12.808	28.935	22.177		26.06
MOTA	1570	CG	ASP .			11.451		21.452		26.31
MOTA	1571		ASP .			10.461	29.156			29.60
MOTA	1572	OD2	ASP .			11.288	28.849	23.413		28.25
MOTA	1573	С	ASP .			12.585	30.448	19.661		
ATOM	1574	0	ASP .			13.577	31.180	19.556		26.45
MOTA	1575	N	HIS			11.348	30.872	19.435		25.98
ATOM	1576	CA	HIS	A	212	11.107	32.260	19.072		28.34
MOTA	1577	CB	HIS	A	212	11.743	33.153	20.145		29.66
MOTA	1578	CG	HIS	Α	212	11.094	34.492	20.283		36.64
ATOM	1579		HIS	Α	212	9.878	34.669	20.908		42.47
ATOM	1580		HIS			9.553	35.951	20.875		42.76
ATOM	1581	NE2	HIS			10.521	36.612	20.265		42.04
ATOM	1582	CD2				11.501	35.724	19.892		41.28
ATOM	1583	C	HIS			11.611	32.640	17.680		28.91
ATOM	1584	Ö	HIS			11.494	33.799	17.275	1.00	30.92
ATOM	1585	N	GLY			12.144	31.676	16.936		27.80
ATOM	1586	CA	GLY			12.751	31.971	15.650	1.00	25.99
ATOM	1587	C	GLY			12.192	31.153	14.511	1.00	26.04
	1588	0	GLY			11.068	30.640	14.565	1.00	24.20
ATOM	1589	N	VAL			13.012	31.066	13.470	1.00	26.25
MOTA		CA	VAL			12.724	30.274	12.296	1.00	26.25
ATOM	1590	CB	VAL			12.213	31.170	11.158	1.00	27.10
ATOM	1591		VAL			11.042	32.016	11.659		27.24
ATOM	1592	CG1 CG2				13.347	32.040	10.628		28.86
ATOM	1593		VAL			13.949	29.498	11.855		24.52
MOTA	1594	C	VAL			15.095	29.866	12.167		24.97
MOTA	1595	0				13.711	28.392	11.152		25.64
MOTA	1596	N	PRO			14.793	27.622	10.526		25.48
MOTA	1597	CA	PRO			14.793	26.573	9.706		26.92
MOTA	1598	CB	PRO				26.418	10.434		26.03
MOTA	1599	CG	PRO			12.732	27.805	10.434		24.12
ATOM	1600	CD	PRO			12.380		9.612		27.43
ATOM	1601	С	PRO			15.609	28.518			27.22
ATOM	1602	0	PRO			15.121	29.554	9.158		28.05
MOTA	1603	N	GLU			16.841	28.111	9.315		28.65
MOTA	1604	CA	GLU			17.721	28.985	8.553		
MOTA	1605	CB	GLU			19.161	28.486	8.661		30.42
MOTA	1606	CG	GLU			19.771	28.747	10.023		35.56
MOTA	1607	CD			216	21.219	29.169	9.904		42.95
ATOM	1608		GLU			21.795	28.954	8.814		48.84
ATOM	1609		GLU			21.765	29.715	10.889		45.41
ATOM	1610	С			216	17.315	29.114	7.087		27.95
MOTA	1611	0			216	17.649	30.113	6.448	1.00	27.93
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ATOM	1612	N	THR A	217	16.652	28.099	6.537	1.00 25.57
ATOM	1613	CA	THR A	217	16.183	28.168	5.158	1.00 24.50
ATOM	1614	CB	THR A	217	16.913	27.146	4.270	1.00 23.44
MOTA	1615	OG1	THR A	217	16.712	25.831	4.821	1.00 23.33
ATOM	1616	CG2	THR A	217	18.430	27.370	4.323	1.00 25.77
MOTA	1617	С	THR A	217	14.697	27.816	5.082	1.00 22.97
ATOM	1618	0	THR A	217	14.161	27.138	5.964	1.00 23.20
ATOM	1619	N	THR A	218	14.037	28.246	4.013	1.00 22.43
ATOM	1620	CA	THR A	218	12.685	27.753	3.753	1.00 21.86
ATOM	1621	CB	THR A	218	12.003	28.563	2.637	1.00 22.40
MOTA	1622	OG1	THR A	218	12.807	28.503	1.448	1.00 23.58
MOTA	1623	CG2	THR A	218	11.911	30.047	3.006	1.00 25.57
MOTA	1624	С	THR A	218	12.759	26.291	3.315	1.00 21.64
MOTA	1625	0	THR A		11.897	25.483	3.667	1.00 21.31
ATOM	1626	N	GLN A	219	13.802	25.938	2.562	1.00 21.89
ATOM	1627	CA	GLN A		13.850	24.607	1.967	1.00 22.98
MOTA	1628	CB	GLN A		15.019	24.424	0.995	1.00 25.47
MOTA	1629	CG	GLN A		16.336	23.998	1.575	1.00 35.80
MOTA	1630	CD	GLN A		16.446	22.483	1.671	1.00 42.19
MOTA	1631	OE1	GLN A		17.144	21.962	2.541	1.00 48.46
MOTA	1632		GLN A		15.751	21.777	0.785	1.00 48.31
MOTA	1633	С	GLN A		13.831	23.550	3.060	1.00 22.41 1.00 21.59
ATOM	1634	0	GLN A		13.184	22.523	2.872	1.00 21.39
ATOM	1635	N	SER A		14.509	23.809	4.180 5.260	1.00 22.02
ATOM	1636	CA	SER A		14.554	22.828		1.00 21.83
MOTA	1637	CB	SER A		15.367	23.348	6.442 7.489	1.00 24.24
MOTA	1638	OG	SER A		15.366	22.396	5.785	1.00 20.00
ATOM	1639	С	SER A		13.157	22.477 21.309	5.802	1.00 20.80
ATOM	1640	0	SER A		12.768	23.489	6.251	1.00 20.00
ATOM	1641	N	LEU A		12.441 11.111	23.489	6.787	1.00 21.03
ATOM	1642	CA	LEU A		10.579	24.281	7.708	1.00 22.58
ATOM	1643	CB	LEU A		9.389	23.815	8.562	1.00 22.37
ATOM	1644	CG CD1	LEU A		9.934	22.943	9.698	1.00 22.41
ATOM ATOM	1645 1646	CD1	LEU A		8.700	25.049	9.117	1.00 21.13
	1647	CDZ	LEU A		10.114	22.722	5.737	1.00 21.34
ATOM ATOM	1648	0	LEU A		9.317	21.822	6.010	1.00 19.35
ATOM	1649	N	ILE A		10.165	23.274	4.524	1.00 17.11
ATOM	1650	CA	ILE A		9.335	22.740	3.456	1.00 17.94
ATOM	1651	CB	ILE A		9.569	23.524	2.130	1.00 17.12
ATOM	1652	CG1			9.065	24.974	2.276	1.00 19.50
ATOM	1653	CD1			9.548	25.933	1.171	1.00 19.49
ATOM	1654	CG2	ILE A		8.921	22.783	0.968	1.00 21.07
ATOM	1655	С	ILE A		9.601	21.260	3.217	1.00 19.20
ATOM	1656	0	ILE A		8.673	20.485	3.025	1.00 19.95
ATOM	1657	N	GLN A		10.869	20.854	3.207	1.00 16.23
ATOM	1658	CA	GLN A		11.123	19.449	2.988	1.00 18.60
ATOM	1659	СВ	GLN A		12.616	19.228	2.715	1.00 19.15
ATOM	1660	CG	GLN A		12.941	17.766	2.467	1.00 22.79
ATOM	1661	CD	GLN A		12.643	17.290	1.061	1.00 33.15
ATOM	1662		GLN A	223	12.155	18.051	0.211	1.00 33.66
ATOM	1663	NE2	GLN A	223	12.917	16.006	0.817	1.00 35.76

MOTA	1664	С	GLN A	223	10.657	18.623	4.188	1.00 16.93
MOTA	1665	0	GLN A	223	10.199	17.502	3.988	1.00 18.36
MOTA	1666	N	PHE A	224	10.797	19.161	5.401	1.00 15.46
ATOM	1667	CA	PHE A		10.363	18.423	6.587	1.00 15.62
ATOM	1668	СВ	PHE A		10.706	19.198	7.848	1.00 17.10
ATOM	1669	CG	PHE A		10.337	18.487	9.120	1.00 16.49
ATOM	1670		PHE A		10.836	17.215	9.398	1.00 17.51
	1671	CE1	PHE A		10.531	16.576	10.616	1.00 17.07
ATOM		CZ	PHE A		9.717	17.205	11.544	1.00 16.55
ATOM	1672				9.212	18.492	11.279	1.00 18.07
ATOM	1673	CE2			9.544	19.125	10.054	1.00 19.46
ATOM	1674	CD2			8.855	18.199	6.531	1.00 16.89
ATOM	1675	C	PHE A		8.380	17.078	6.751	1.00 16.66
ATOM	1676	0	PHE A			19.270	6.265	1.00 17.58
MOTA	1677	N	VAL A		8.122		6.213	1.00 17.30
ATOM	1678	CA	VAL A		6.654	19.197		
MOTA	1679	CB	VAL A		6.084	20.603	5.951	1.00 19.47
ATOM	1680	CG1			4.635	20.522	5.473	1.00 20.27
MOTA	1681	CG2			6.211	21.475	7.199	1.00 17.11
MOTA	1682	С	VAL A		6.241	18.203	5.122	1.00 19.13
MOTA	1683	0	VAL A	225	5.402	17.311	5.312	1.00 21.63
MOTA	1684	N	ARG A		6.829	18.331	3.941	1.00 19.30
MOTA	1685	CA	ARG A	226	6.514	17.393	2.871	1.00 20.41
ATOM	1686	CB	ARG A		7.276	17.776	1.594	1.00 20.66
MOTA	1687	CG	ARG A	226	6.656	18.990	0.916	1.00 22.30
ATOM	1688	CD	ARG A	226	7.410	19.483	-0.302	1.00 24.61
ATOM	1689	NE	ARG A	226	6.694	20.558	-0.983	1.00 24.83
ATOM	1690	CZ	ARG A	226	7.223	21.308	-1.948	1.00 31.14
ATOM	1691		ARG A		8.489	21.146	-2.306	1.00 30.48
ATOM	1692	NH2			6.500	22.253	-2.526	1.00 34.90
ATOM	1693	С	ARG A		6.797	15.932	3.234	1.00 20.34
ATOM	1694	Ō	ARG A		6.060	15.004	2.879	1.00 19.67
ATOM	1695	N	THR A		7.910	15.717	3.920	1.00 19.65
ATOM	1696	CA	THR A		8.323	14.388	4.338	1.00 20.52
ATOM	1697	СВ	THR A		9.715	14.485	4.977	1.00 22.22
ATOM	1698	OG1			10.673	14.679	3.930	1.00 22.33
ATOM	1699	CG2	THR A		10.110	13.143	5.586	1.00 24.52
ATOM	1700	C	THR A		7.310	13.786	5.339	1.00 20.30
ATOM	1701	0	THR A		6.886	12.642	5.191	1.00 20.93
ATOM	1702	N	VAL A		6.918	14.576	6.335	1.00 19.24
	1702	CA	VAL A		5.954	14.152	7.348	1.00 19.59
ATOM	1703	CB	VAL A		5.778	15.216	8.430	1.00 19.58
ATOM	1704		VAL A		4.631	14.832	9.353	1.00 20.61
ATOM					7.077	15.408	9.206	1.00 19.73
ATOM	1706		VAL A		4.609	13.400	6.690	1.00 21.77
ATOM	1707	C	VAL A			12.844	6.938	1.00 21.18
ATOM	1708	0	VAL A		4.013	14.774	5.805	1.00 21.10
ATOM	1709	N	ARG A		4.183		5.179	1.00 25.81
ATOM	1710	CA	ARG A		2.866	14.626		1.00 23.81
MOTA	1711	CB	ARG A		2.546	15.904	4.402	
MOTA	1712	CG	ARG A		1.423	15.881	3.384	1.00 28.30
MOTA	1713	CD	ARG A		0.053	15.877	3.972	1.00 30.57
MOTA	1714	NE	ARG A		-0.051	16.615	5.222	1.00 30.38
MOTA	1715	CZ	ARG A	229	-0.925	16.290	6.160	1.00 29.65

ATOM	1716	NH1	ARG	Α	229	-1.763	15.279	5.941	1.00 32.05
ATOM	1717	NH2	ARG	Α	229	-0.987	16.980	7.291	1.00 29.06
ATOM	1718	С	ARG	Α	229	2.879	13.378	4.301	1.00 26.73
ATOM	1719	0	ARG			1.879	12.653	4.242	1.00 27.86
ATOM	1720	N	ASP			4.015	13.108	3.658	1.00 26.22
ATOM	1721	CA	ASP			4.251	11.866	2.928	1.00 28.24
ATOM	1722	СВ	ASP			5.621	11.877	2.251	1.00 28.67
ATOM	1723	CG	ASP			5.654	12.720	0.982	1.00 34.01
	1724		ASP			4.609	13.162	0.469	1.00 39.53
ATOM	1725		ASP			6.727	13.102	0.420	1.00 41.90
ATOM	1726	C	ASP			4.071	10.598	3.770	1.00 29.04
ATOM		0	ASP			3.401	9.645	3.350	1.00 29.94
ATOM	1727							4.979	1.00 25.95
ATOM	1728	N	TYR			4.625	10.592		1.00 25.95
MOTA	1729	CA	TYR			4.433	9.452	5.871	
ATOM	1730	CB	TYR			5.319	9.550	7.113	1.00 26.14
MOTA	1731	CG	TYR			6.748	9.078	6.927	1.00 23.97
MOTA	1732	CD1	TYR			7.774	9.978	6.647	1.00 19.78
ATOM	1733	CE1	TYR			9.081	9.547	6.522	1.00 22.19
MOTA	1734	CZ	TYR			9.390	8.211	6.654	1.00 23.00
ATOM	1735	OH	TYR			10.701	7.787	6.513	1.00 28.03
MOTA	1736	CE2	TYR	Α	231	8.401	7.304	6.947	1.00 27.25
ATOM	1737	CD2	TYR	А	231	7.086	7.736	7.088	1.00 25.16
MOTA	1738	С	TYR	Α	231	2.970	9.323	6.291	1.00 27.31
ATOM	1739	0	TYR	Α	231	2.446	8.209	6.297	1.00 28.55
MOTA	1740	N	ILE	Α	232	2.347	10.443	6.652	1.00 26.87
ATOM	1741	CA	ILE	Α	232	0.914	10.502	6.996	1.00 27.98
ATOM	1742	CB	ILE	Α	232	0.491	11.959	7.360	1.00 25.62
ATOM	1743	CG1	ILE	Α	232	1.038	12.361	8.727	1.00 26.35
ATOM	1744	CD1	ILE	Α	232	0.938	13.838	8.996	1.00 27.73
ATOM	1745	CG2	ILE	Α	232	-1.058	12.159	7.424	1.00 25.67
ATOM	1746	С			232	0.046	9.935	5.875	1.00 32.06
ATOM	1747	0			232	-0.767	9.022	6.107	1.00 33.57
ATOM	1748	N	ASN			0.245	10.451	4.663	1.00 33.34
ATOM	1749	CA	ASN			-0.580	10.101	3.509	1.00 37.27
ATOM	1750	СВ	ASN			-0.320	11.037	2.313	1.00 36.54
ATOM	1751	CG	ASN			-0.932	12.425	2.480	1.00 38.15
ATOM	1752		ASN			-1.648	12.712	3.442	1.00 42.42
ATOM	1753		ASN			-0.630	13.309	1.533	1.00 37.50
ATOM	1754	C	ASN			-0.429	8.635	3.090	1.00 39.12
ATOM	1755	0	ASN			-1.332	8.073		1.00 41.73
ATOM	1756	N	ARG			0.690	8.001	3.431	1.00 40.44
ATOM	1757	CA	ARG			0.962	6.653	2.945	1.00 42.23
	1758	CB	ARG			2.455	6.462	2.658	1.00 43.61
ATOM		CG	ARG			2.949	7.205	1.408	1.00 43.04
ATOM	1759						6.793	0.906	1.00 48.69
ATOM	1760	CD	ARG			4.330 5.341	6.796	1.963	1.00 48.09
MOTA	1761	NE C7	ARG					2.115	1.00 54.19
MOTA	1762	CZ	ARG			6.283	7.724		
ATOM	1763		ARG			6.365	8.748	1.272	1.00 52.70
ATOM	1764		ARG			7.144	7.630	3.122	1.00 51.22
ATOM	1765	C	ARG			0.400	5.566	3.863	1.00 42.06
MOTA	1766	0	ARG			0.337	4.379	3.512	1.00 42.43
MOTA	1767	N	SER	A	235	-0.055	6.003	5.031	1.00 40.54

MOTA	1768	CA	SER A	235	-0.488	5.108	6.087	1.00 39.57
MOTA	1769	CB	SER A	235	-0.193	5.750	7.451	1.00 39.71
ATOM	1770	OG	SER A	235	-1.211	5.554	8.422	1.00 41.17
ATOM	1771	С	SER A	235	-1.964	4.744	5.925	1.00 38.09
ATOM	1772	0	SER A	235	-2.799	5.592	5.590	1.00 36.22
ATOM	1773	N	PRO A		-2.278	3.477	6.177	1.00 38.34
MOTA	1774	CA	PRO A		-3.661	2.979	6.083	1.00 39.35
ATOM	1775	СВ	PRO A		-3.537	1.499	6.461	1.00 40.18
ATOM	1776	CG	PRO A		-2.214	1.375	7.150	1.00 39.24
	1777	CD	PRO A		-1.322	2.425	6.563	1.00 38.58
MOTA	1778	C	PRO A		-4.678	3.691	6.987	1.00 39.63
ATOM		0	PRO A		-5.889	3.488	6.852	1.00 42.61
ATOM	1779		GLY A		-4.208	4.544	7.889	1.00 36.88
ATOM	1780	N			-5.069	5.079	8.938	1.00 34.20
ATOM	1781	CA	GLY A		-4.178	5.738	9.970	1.00 30.76
MOTA	1782	С	GLY A			5.037	10.733	1.00 29.45
ATOM	1783	0	GLY A		-3.532	7.071	9.986	1.00 28.97
MOTA	1784	N	ALA A		-4.150		10.698	1.00 24.56
MOTA	1785	CA	ALA A		-3.119	7.844		1.00 24.30
MOTA	1786	СВ	ALA A		-2.656	9.019	9.834	1.00 27.03
ATOM	1787	С	ALA A		-3.564	8.342	12.077	
MOTA	1788	0	ALA A		-2.759	8.476	12.986	1.00 21.78
MOTA	1789	N	GLY A		-4.853	8.620	12.242	1.00 21.70
MOTA	1790	CA	GLY A		-5.342	9.313	13.423	1.00 21.30
MOTA	1791	С	GLY A		-4.903	10.766	13.366	1.00 19.24
MOTA	1792	0	GLY A		-4.282	11.186	12.388	1.00 18.48
MOTA	1793	N	PRO A	240	-5.233	11.526	14.405	1.00 20.05
MOTA	1794	CA	PRO A	240	-4.740	12.907	14.530	1.00 19.68
ATOM	1795	CB	PRO A	240	-5.327	13.390	15.861	1.00 18.80
ATOM	1796	CG	PRO A	240	-6.393	12.393	16.247	1.00 21.11
ATOM	1797	CD	PRO A	240	-6.041	11.103	15.562	1.00 20.23
ATOM	1798	С	PRO A	240	-3.213	12.834	14.624	1.00 18.33
ATOM	1799	0	PRO A	240	-2.661	11.864	15.141	1.00 19.27
MOTA	1800	N	THR A	241	-2.548	13.832	14.071	1.00 16.60
ATOM	1801	CA	THR A	241	-1.090	13.930	14.185	1.00 15.99
MOTA	1802	СВ	THR A		-0.593	14.614	12.919	1.00 15.63
ATOM	1803	OG1	THR A		-0.797	13.696	11.849	1.00 17.20
ATOM	1804	CG2	THR A		0.941	14.788	12.984	1.00 15.00
ATOM	1805	С	THR A		-0.829	14.832	15.367	1.00 16.75
ATOM	1806	Ō	THR A		-1.343	15.938	15.418	1.00 17.15
ATOM	1807	N	VAL A		0.031	14.387	16.274	1.00 16.56
ATOM	1808	CA	VAL A		0.370	15.207	17.413	1.00 15.30
ATOM	1809	СВ	VAL A		0.777	14.315	18.586	1.00 13.91
ATOM	1810	CG1			1.584	15.122	19.651	1.00 17.96
	1811	CG2			-0.473	13.828	19.205	1.00 14.74
ATOM			VAL A		1.537	16.089	17.002	1.00 15.85
MOTA	1812	С О	VAL A		2.491	15.610	16.401	1.00 17.01
MOTA	1813				1.421	17.375	17.295	1.00 15.52
ATOM	1814	N	VAL A		2.525	18.289	17.027	1.00 15.21
ATOM	1815	CA	VAL A			19.311	15.915	1.00 13.21
ATOM	1816	CB	VAL A		2.223	20.039	15.607	1.00 15.52
MOTA	1817		VAL A		3.540		14.624	1.00 15.61
ATOM	1818		VAL A		1.710	18.648	18.309	1.00 13.38
ATOM	1819	С	VAL A	243	2.848	19.042	10.303	1.00 15.50

MOTA	1820	0	VAL	Α	243	1.977	19.511	19.006	1.00	
MOTA	1821	N	HIS	Α	244	4.127	19.115	18.681		13.84
ATOM	1822	CA	HIS	Α	244	4.487	19.880	19.875		13.12
ATOM	1823	СВ	HIS	Α	244	4.399	19.034	21.167		11.87
ATOM	1824	CG	HIS	Α	244	5.560	18.115	21.377	1.00	15.41
ATOM	1825		HIS			6.728	18.524	21.977	1.00	16.81
ATOM	1826		HIS			7.566	17.503	22.042	1.00	16.27
ATOM	1827		HIS			6.998	16.461	21.463	1.00	16.52
ATOM	1828		HIS			5.726	16.808	21.067	1.00	14.38
ATOM	1829	C	HIS			5.856	20.526	19.735	1.00	14.17
	1830	0	HIS			6.688	20.046	18.970		16.93
ATOM	1831	N	CYS			6.041	21.611	20.492		16.57
ATOM			CYS			7.349	22.211	20.652		17.05
ATOM	1832	CA	CYS			7.396	23.573	19.941		15.83
ATOM	1833	CB	CYS			5.834	24.486	20.086		19.56
ATOM	1834	SG				7.521	22.283	22.151		17.57
ATOM	1835	С	CYS			7.321	21.246	22.839		17.79
ATOM	1836	0	CYS				23.464	22.693		18.50
ATOM	1837	N	SER			7.815		24.159		16.87
ATOM	1838	CA	SER			7.937	23.554	24.139		18.69
MOTA	1839	CB	SER			9.020	24.552			18.18
MOTA	1840	OG	SER			9.228	24.422	26.031		17.49
MOTA	1841	С	SER			6.573	23.942	24.722		
MOTA	1842	0			246	6.046	23.238	25.580		17.21
ATOM	1843	N	ALA			6.019	25.049	24.239		18.04
ATOM	1844	CA	ALA	Α	247	4.736	25.497	24.749		19.26
MOTA	1845	CB	ALA	Α	247	4.710	27.036	24.838		19.87
MOTA	1846	С	ALA	Α	247	3.573	25.010	23.903		17.94
ATOM	1847	0	ALA	Α	247	2.430	25.177	24.309		19.75
ATOM	1848	N	GLY	Α	248	3.848	24.439	22.729		20.22
ATOM	1849	CA	GLY	Α	248	2.806	24.174	21.748		18.63
ATOM	1850	С	GLY	Α	248	2.132	25.433	21.196		18.85
ATOM	1851	0	GLY	Α	248	0.898	25.475	21.017		19.05
ATOM	1852	N			249	2.954	26.427	20.867		17.12
ATOM	1853	CA			249	2.463	27.715	20.358		16.65
ATOM	1854	СВ			249	2.562	28.810	21.445		18.34
ATOM	1855	CG1			249	2.075	30.142	20.845		21.79
ATOM	1856	CG2			249	1.744	28.426	22.662		20.69
ATOM	1857	C			249	3.164	28.180	19.070	1.00	17.87
ATOM	1858	Ö			249	2.543	28.251	18.008		17.85
ATOM	1859	N			250	4.453	28.487	19.140	1.00	19.22
ATOM	1860	CA	GLY	Α	250	5.039	29.253	18.055	1.00	19.94
	1861	C			250	5.491	28.321	16.963	1.00	19.70
ATOM	1862	0			250	5.086	28.456	15.808		19.01
ATOM		N			251	6.366	27.389	17.335		19.14
ATOM	1863				251	6.939	26.498	16.347		19.05
ATOM	1864	CA				8.195	25.860	16.890		19.24
ATOM	1865	CB			251	9.219	26.952	17.158		15.81
ATOM	1866	CG			251	10.481	26.394	17.775	1.00	
MOTA	1867	CD			251		26.200	19.214		19.50
MOTA	1868	NE			251	10.226	25.704	20.078		22.30
ATOM	1869	CZ			251	11.094		19.644		20.21
ATOM	1870		ARG			12.290	25.314			23.16
MOTA	1871	NH2	ARG	A	251	10.758	25.569	21.366	1.00	20.10

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MOTA	1872	С.	ARG A	251		901	25.497	15.876	1.00 18.56
MOTA	1873	0 .	ARG A	251	5.	813	25.250	14.680	1.00 17.43
ATOM	1874	N	THR A	252	5.	111	24.941	16.794	1.00 18.19
ATOM	1875		THR A		3.	982	24.106	16.377	1.00 17.71
ATOM	1876		THR A		3.	217	23.628	17.607	1.00 17.40
ATOM	1877		THR A			999	24.765	18.450	0.50 23.23
ATOM	1878		THR A			029	22.684	18.306	0.50 13.92
	1879		THR A			083	22.722	18.434	0.50 15.60
ATOM			THR A			947	22.833	17.252	0.50 10.20
ATOM	1880		THR A			019	24.851	15.484	1.00 17.17
ATOM	1881		THR A			600	24.297	14.475	1.00 15.23
MOTA	1882		GLY A			661	26.092	15.832	1.00 16.60
ATOM	1883					745	26.853	14.990	1.00 16.77
MOTA	1884		GLY A			300	27.075	13.599	1.00 17.58
MOTA	1885		GLY A				26.966	12.604	1.00 16.20
MOTA	1886		GLY A			597		13.507	1.00 15.25
MOTA	1887		THR A			608	27.343		1.00 13.23
MOTA	1888		THR A			197	27.626	12.216	
MOTA	1889	CB	THR A			628	28.249	12.422	
MOTA	1890		THR A			439	29.443	13.202	1.00 18.67
ATOM	1891	CG2	THR A			190	28.764	11.050	1.00 17.19
MOTA	1892	С	THR A			262	26.342	11.390	1.00 15.60
MOTA	1893	0	THR A	254		052	26.379	10.184	1.00 17.10
ATOM	1894	N	PHE A	255	4.	576	25.222	12.032	1.00 15.48
ATOM	1895	CA	PHE A	255	4.	640	23.944	11.321	1.00 15.29
ATOM	1896	СВ	PHE A	255	5.	043	22.832	12.304	1.00 17.14
ATOM	1897	CG	PHE A	255	4.	. 977	21.465	11.674	1.00 17.46
ATOM	1898	CD1	PHE A	255	6.	.052	21.001	10.959	1.00 20.12
ATOM	1899	CE1	PHE A	255	6.	.001	19.759	10.330	1.00 19.80
MOTA	1900	CZ	PHE A	255	4.	.860	19.003	10.351	1.00 15.16
ATOM	1901	CE2	PHE A	255	3.	.755	19.457	11.013	1.00 16.37
ATOM	1902	CD2	PHE A		3.	.796	20.725	11.662	1.00 15.77
MOTA	1903	С	PHE A		3.	.271	23.608	10.725	1.00 15.30
ATOM	1904	0	PHE A		3.	.145	23.207	9.548	1.00 15.54
ATOM	1905	N	ILE A		2.	.256	23.693	11.568	1.00 13.96
ATOM	1906	CA	ILE A		0.	.914	23.321	11.106	1.00 14.62
ATOM	1907	СВ	ILE A		-0.	.077	23.288	12.256	1.00 14.78
ATOM	1908	CG1	ILE A		0 .	.284	22.166	13.221	1.00 16.14
ATOM	1909	CD1	ILE A		-0.	.671	22.068	14.439	1.00 16.04
ATOM	1910		ILE A			.497	23.016	11.695	1.00 14.89
MOTA	1911	C	ILE A			.465	24.282	9.993	1.00 14.00
ATOM	1912	Ö	ILE A			.065	23.831	8.975	1.00 15.99
ATOM	1913	N	ALA A			.637	25.588	10.195	1.00 14.29
ATOM	1914	CA	ALA A			.292	26.539	9.130	1.00 13.84
	1915	CB	ALA A			.571	27.988	9.530	1.00 14.99
MOTA		C	ALA A			.955	26.205	7.798	1.00 14.85
MOTA	1916		ALA A			.328	26.208	6.746	1.00 16.25
MOTA	1917	O N	LEU A			.258	25.958	7.833	1.00 13.44
MOTA	1918	N	LEU A			.950	25.564	6.631	1.00 14.78
ATOM	1919	CA				.448	25.390	6.889	1.00 13.66
ATOM	1920	CB	LEU A			.247	25.137	5.615	1.00 15.58
ATOM	1921	CG	LEU A				26.284	4.593	1.00 17.44
ATOM	1922		LEU A			.050	25.019	5.965	1.00 16.74
MOTA	1923	CD2	LEU A	258	б	.745	23.019	3.903	1.00 10.74

ATOM	1924	С	LEU	Α	258	2.391	24.297	6.013		14.93
ATOM	1925	0	LEU	Α	258	2.223	24.210	4.805	1.00	14.85
ATOM	1926	N	ASP	Α	259	2.105	23.290	6.838	1.00	15.85
ATOM	1927	CA	ASP			1.470	22.081	6.314	1.00	16.95
ATOM	1928	СВ	ASP	Α	259	1.186	21.146	7.501	1.00	18.21
ATOM	1929	CG	ASP			0.834	19.718	7.102	1.00	22.66
ATOM	1930		ASP			1.205	19.202	6.016	1.00	20.07
ATOM	1931		ASP			0.217	18.996	7.920		33.57
ATOM	1932	C	ASP			0.173	22.425	5.567		15.64
ATOM	1933	0	ASP			-0.024	21.963	4.439		17.43
	1934	N	ARG			-0.682	23.260	6.148		16.51
ATOM	1935	CA	ARG			-1.947	23.632	5.504		16.62
MOTA	1935	CB	ARG			-2.836	24.464	6.425		18.22
ATOM			ARG			-3.435	23.668	7.571		25.51
ATOM	1937	CG				-4.950	23.818	7.664		40.63
ATOM	1938	CD	ARG					7.581		49.41
ATOM	1939	NE	ARG			-5.428	25.199			52.56
ATOM	1940	CZ	ARG			-5.919	25.797	6.491		50.50
ATOM	1941		ARG			-6.025	25.176	5.311		
MOTA	1942		ARG			-6.310	27.059	6.592		53.49
ATOM	1943	С	ARG			-1.685	24.431	4.233		16.45
ATOM	1944	0	ARG			-2.247	24.131	3.165		18.96
ATOM	1945	N	ILE			-0.767	25.394	4.310		15.77
ATOM	1946	CA	ILE			-0.542	26.228	3.138		18.24
ATOM	1947	CB	ILE			0.206	27.521	3.521		21.96
ATOM	1948		AILE			1.651	27.329	3.908		17.99
ATOM	1949	CG1I	BILE	Α	261	-0.685	28.609	4.112		19.62
ATOM	1950	CD1	AILE	Α	261	2.215	28.633	4.442		20.12
MOTA	1951	CD1	BILE	Α	261	0.000	29.266	5.315		24.86
MOTA	1952		AILE			-0.604	28.289	4.549		18.49
ATOM	1953	CG2I	BILE	A	261	1.211	27.966	2.472		19.26
ATOM	1954	С	ILE	Α	261	0.067	25.456	1.973	1.00	19.50
ATOM	1955	0	ILE	Α	261	-0.278	25.684	0.799	1.00	17.34
ATOM	1956	N	LEU	Α	262	1.002	24.564	2.291	1.00	18.57
ATOM	1957	CA	LEU	Α	262	1.572	23.704	1.256	1.00	19.04
ATOM	1958	СВ	LEU	Α	262	2.736	22.874	1.776	1.00	17.43
ATOM	1959	CG	LEU			4.004	23.676	2.064	1.00	16.24
ATOM	1960	CD1				5.114	22.827	2.635	1.00	18.88
ATOM	1961	CD2	LEU			4.509	24.501	0.861	1.00	21.60
ATOM	1962	С	LEU			0.533	22.831	0.568	1.00	18.56
ATOM	1963	0	LEU			0.613	22.605	-0.649	1.00	19.59
ATOM	1964	N	GLN			-0.423	22.344	1.350	1.00	16.77
ATOM	1965	CA	GLN			-1.517	21.572	0.772	1.00	18.98
ATOM	1966	СВ	GLN			-2.359	20.878	1.850		21.56
ATOM	1967	CG	GLN			-1.581	19.736	2.499		24.14
ATOM	1968	CD	GLN			-2.322	19.083	3.652		30.60
ATOM	1969	OE1				-3.120	18.178	3.445		37.41
ATOM	1970	NE2				-2.058	19.540	4.868		34.60
		C	GLN			-2.383	22.438	-0.124		18.41
ATOM	1971	0	GLN			-2.861	21.939	-1.165		19.16
ATOM	1972		GLN			-2.585	23.692	0.286		17.80
ATOM	1973	N C7	GLN			-3.284	24.667	-0.547		19.17
ATOM	1974	CA					24.007	0.130		21.52
MOTA	1975	CB	GLN	А	204	-3.375	20.033	0.130	1.00	41.74

ATOM	1976	CG	GLN	Α	264	-4.488	26.101	1.152	1.00	22.71
ATOM	1977	CD	GLN	Α	264	-4.485	27.392	1.924	1.00	27.25
ATOM	1978	OE1	GLN	Α	264	-3.974	28.404	1.452	1.00	28.01
MOTA	1979	NE2	GLN	Α	264	-5.062	27.364	3.126	1.00	32.99
ATOM	1980	С	GLN	Α	264	-2.569	24.866	-1.856	1.00	17.97
ATOM	1981	0	GLN	Α	264	-3.195	24.854	-2.914	1.00	18.97
ATOM	1982	N	LEU			-1.243	25.044	-1.807	1.00	16.73
ATOM	1983	CA	LEU			-0.524	25.223	-3.059	1.00	15.75
ATOM	1984	СВ	LEU			0.944	25.599	-2.792	1.00	16.04
ATOM	1985	CG	LEU			1.177	26.933	-2.072	1.00	16.47
ATOM	1986	CD1	LEU			2.699	27.094	-1.977	1.00	23.16
ATOM	1987	CD2				0.556	28.085	-2.851	1.00	23.92
ATOM	1988	С	LEU			-0.567	24.006	-3.963	1.00	17.46
ATOM	1989	0	LEU			-0.348	24.116	-5.177	1.00	
ATOM	1990	N	ASP			-0.787	22.828	-3.397	1.00	
ATOM	1991	CA	ASP			-0.767	21.626	-4.210	1.00	
ATOM	1992	CB	ASP			-0.328	20.423	-3.368	1.00	
ATOM	1993	CG	ASP			1.156	20.375	-3.149	1.00	
ATOM	1994	OD1	ASP			1.862	21.159	-3.791		21.03
ATOM	1995	OD2				1.680	19.586	-2.335		25.07
ATOM	1996	C	ASP			-2.163	21.343	-4.768		16.49
ATOM	1997	0	ASP			-2.320	20.469	-5.624	1.00	
ATOM	1998	N	SER			-3.151	22.112	-4.318	1.00	17.93
ATOM	1999	CA	SER			-4.562	21.826	-4.646	1.00	
ATOM	2000	CB	SER			-5.334	21.390	-3.392	1.00	
ATOM	2001		ASER			-4.827	20.179	-2.869	0.50	
ATOM	2001		BSER			-5.151	22.290	-2.327		19.41
ATOM	2002	C	SER			-5.375	22.910	-5.354		19.44
	2003	0	SER			-6.260	22.591	-6.147	1.00	19.32
MOTA	2004	N	LYS			-5.083	24.164	-5.022	1.00	18.83
MOTA MOTA	2005	CA			268	-5.848	25.354	-5.377	1.00	
ATOM	2007	CB	LYS			-6.430	25.992	-4.099	1.00	20.65
ATOM	2007	CG	LYS			-7.498	25.094	-3.470	1.00	
ATOM	2009	CD	LYS			-8.104	25.692	-2.209		35.23
ATOM	2010	CE	LYS			-9.065	26.845	-2.493		39.80
ATOM	2010	NZ	LYS			-9.302	27.654	-1.258		42.30
	2011	C	LYS			-4.995	26.373	-6.115		20.26
ATOM ATOM	2012	0		A		-3.762	26.340	-6.077	1.00	20.14
ATOM	2013	N	ASP			-5.653	27.329	-6.766		20.67
						-4.923	28.431	-7.379		22.23
ATOM	2015 2016	CA	ASP ASP			-5.354	28.695	-8.824		21.86
ATOM		CB CG				-6.802	29.136	-8.948		24.01
ATOM	2017		ASP					-7.910		23.82
ATOM	2018		ASP			-7.478	29.270			25.17
ATOM	2019		ASP			<b>-7.315</b>		-10.081		21.37
ATOM	2020	С	ASP			-4.936	29.704	-6.561		
ATOM	2021	0	ASP			-4.671	30.783	-7.086		20.35
ATOM	2022	N	SER			-5.235	29.557	-5.272		22.33
ATOM	2023	CA	SER			-5.009	30.638	-4.323		20.47
MOTA	2024	CB	SER			-6.278	31.451	-4.075		24.06
ATOM	2025	OG	SER			-7.314	30.640	-3.578		26.40
ATOM	2026	C	SER			-4.518	30.042	-3.018		21.38
ATOM	2027	0	SER	A	270	-4.735	28.852	-2.739	1.00	22.73

ATOM	2028	N	VAL A	271	-3.885	30.903	-2.225		22.36
MOTA	2029	CA	VAL A	271	-3.263	30.508	-0.963		21.09
ATOM	2030	CB	VAL A	271	-1.709	30.463	-1.115		19.31
ATOM	2031		VAL A		-1.167	31.865	-1.450		21.60
MOTA	2032	CG2	VAL A		-1.082	29.972	0.200		21.85
ATOM	2033	С	VAL A		-3.688	31.549	0.072		20.22
MOTA	2034	0	VAL A		-3.787	32.736	-0.240		22.08
MOTA	2035	N	ASP A		-3.917	31.112	1.310		20.16
MOTA	2036	CA	ASP A		-4.471	32.003	2.324		19.60
MOTA	2037	CB	ASP A		-5.965	31.714	2.437		19.30
MOTA	2038	CG	ASP A		-6.676	32.598	3.431		19.17
MOTA	2039		ASP A		-6.077	33.593	3.891		21.60
ATOM	2040	OD2	ASP A		-7.859	32.350	3.783		24.88
ATOM	2041	С	ASP A		-3.744	31.805	3.655		20.36
MOTA	2042	0	ASP A		-4.243	31.163	4.591		20.38
MOTA	2043	N	ILE A		-2.541	32.365	3.720		19.70
MOTA	2044	CA	ILE A		-1.760	32.311	4.942		19.19
MOTA	2045	CB	ILE A		-0.381	32.962	4.720		18.60
ATOM	2046	CG1	ILE A		0.333	32.288	3.548		21.27
ATOM	2047	CD1	ILE A		1.729	32.865	3.275		22.60
ATOM	2048	CG2	ILE A		0.464	32.875	5.999		20.66 20.28
MOTA	2049	С	ILE A		-2.477	32.966	6.107		18.55
MOTA	2050	0	ILE A		-2.472	32.424	7.218		18.83
MOTA	2051	N	TYR A		-3.100	34.117	5.869		21.01
MOTA	2052	CA	TYR A		-3.766	34.840	6.953		19.87
ATOM	2053	СВ	TYR A		-4.367	36.112	6.356		18.97
MOTA	2054	CG	TYR A		-5.067	36.972	7.358		21.35
MOTA	2055	CD1	TYR A		-4.394	38.025	7.954 8.864		25.25
MOTA	2056	CE1	TYR A		-5.029	38.859 38.625	9.157		28.87
ATOM	2057	CZ	TYR A		-6.352	39.454	10.070		34.66
MOTA	2058	OH	TYR A		-6.978	37.579	8.579		26.00
ATOM	2059	CE2	TYR A		-7.051 -6.413	36.757	7.669		22.43
ATOM	2060	CD2	TYR A		-4.875	33.977	7.550		21.55
ATOM	2061	С	TYR A		-4.991	33.834	8.776		22.52
ATOM	2062	O	GLY A		-5.625	33.326	6.671		19.33
ATOM	2063	N	GLY A		-6.741	32.496	7.090		19.21
ATOM	2064	CA C	GLY A		-6.245	31.272	7.837		20.79
ATOM	2065 2066	0	GLY A		-6.889	30.859	8.796		22.44
ATOM		N	ALA A		-5.125	30.692	7.398		18.85
ATOM	2067 2068	CA	ALA A		-4.558	29.525	8.094		20.03
ATOM ATOM	2069	CB	ALA A		-3.324	29.022	7.356		20.07
ATOM	2070	C	ALA A		-4.195	29.870	9.542	1.00	19.85
ATOM	2070	0	ALA A		-4.432	29.103	10.479	1.00	20.22
	2072	N	VAL A		-3.537	31.010	9.719	1.00	19.70
ATOM ATOM	2072	CA	VAL A		-3.115	31.387	11.057		19.31
MOTA	2074	CB	VAL A		-2.121	32.548	11.018	1.00	17.79
ATOM	2075	CG1			-1.820	32.967	12.458	1.00	18.22
ATOM	2076	CG2			-0.848	32.152	10.255	1.00	
ATOM	2077	C	VAL A		-4.346	31.757	11.868	1.00	19.90
ATOM	2078	0	VAL A		-4.474	31.347	13.019	1.00	20.30
ATOM	2079	N	HIS A		-5.241	32.548	11.292	1.00	19.02
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MOTA	2080	CA	HIS			-6.51		2.865	11.948		19.17
ATOM	2081	CB	HIS	A	278	-7.44		3.619	10.992		19.25
MOTA	2082	CG	HIS	A	278	-8.75		3.994	11.601		18.26
MOTA	2083	ND1	HIS			-9.79		3.105	11.749		23.05
MOTA	2084	CE1	HIS	Α	278	-10.81	8 33	3.721	12.311		21.29
MOTA	2085	NE2	HIS	Α	278	-10.47	8 3	4.980	12.522	1.00	22.86
ATOM	2086	CD2	HIS	Α	278	-9.18	9 3!	5.176	12.093	1.00	20.74
MOTA	2087	С	HIS	Α	278	-7.20	3 3	1.605	12.495	1.00	17.84
ATOM	2088	0	HIS	Α	278	-7.53	7 3	1.525	13.680	1.00	18.09
ATOM	2089	N	ASP	Α	279	-7.35	0 30	0.601	11.635	1.00	18.49
MOTA	2090	CA	ASP			-8.10	1 29	9.403	11.989	1.00	19.79
ATOM	2091	СВ	ASP	Α	279	-8.32	7 28	3.536	10.749	1.00	21.91
ATOM	2092	CG	ASP			-9.38	2 29	9.137	9.805	1.00	27.33
ATOM	2093	OD1	ASP			-10.12		0.086	10.181	1.00	32.69
ATOM	2094	OD2	ASP			-9.57		3.698	8.663	1.00	32.10
ATOM	2095	С	ASP			-7.37		3.645	13.092	1.00	19.96
ATOM	2096	Ō	ASP			-8.02		3.185	14.024		21.76
ATOM	2097	N	LEU			-6.04		3.527	13.041	1.00	17.01
ATOM	2098	CA	LEU			-5.33		7.942	14.182	1.00	16.07
ATOM	2099	СВ	LEU			-3.82		7.947	13.886	1.00	15.00
ATOM	2100	CG	LEU			-3.42	2 2	7.038	12.707	1.00	18.81
ATOM	2101	CD1	LEU	Α	280	-1.91	3 2	7.070	12.480	1.00	18.81
ATOM	2102	CD2	LEŲ	Α	280	-3.88	2 25	5.608	12.945	1.00	25.24
ATOM	2103	С	LEU	Α	280	-5.56	9 28	3.675	15.513	1.00	16.26
ATOM	2104	0	LEU	Α	280	-5.71	2 28	3.053	16.564	1.00	16.85
MOTA	2105	N	ARG	Α	281	-5.58	9 30	0.004	15.476	1.00	15.08
MOTA	2106	CA	ARG	Α	281	-5.68	8 30	0.743	16.716	1.00	17.44
ATOM	2107	CB	ARG	Α	281	-5.37	8 32	2.206	16.447	1.00	17.50
MOTA	2108	CG	ARG	Α	281	-3.89	7 32	2.412	16.278	1.00	17.29
ATOM	2109	CD	ARG	Α	281	-3.45		3.863	16.134	1.00	16.44
ATOM	2110	NE	ARG	Α	281	-1.99	4 33	3.944	15.966	1.00	16.47
MOTA	2111	CZ	ARG	Α	281	-1.29	8 35	5.076	15.842	1.00	18.10
MOTA	2112	NH1	ARG	Α	281	-1.93		5.226	15.915		21.62
MOTA	2113	NH2	ARG			0.03		5.066	15.648		18.29
ATOM	2114	С	ARG			-7.06		0.626	17.353		17.49
MOTA	2115	0	ARG			-7.19		0.854	18.553		19.29
MOTA	2116	N	LEU			-8.06		0.261	16.560		18.15
ATOM	2117	CA	LEU			-9.35		9.983	17.142	1.00	17.68
MOTA	2118	CB	LEU			-10.39		9.682	16.062		16.99
MOTA	2119	CG	LEU			-10.80		0.873	15.182		19.43
MOTA	2120		LEU			-11.73		362	14.090		25.48
ATOM	2121		LEU			-11.50		1.952	16.018		24.65
MOTA	2122	С	LEU			-9.27		3.793	18.102		19.14
MOTA	2123	0	LEU			-10.14		3.668	18.977		19.96
MOTA	2124	N	HIS			-8.29		7.918	17.896		17.18
ATOM	2125	CA	HIS			-8.27		5.637	18.601		18.07
MOTA	2126	CB	HIS			-8.13		5.490	17.597		18.24
ATOM	2127	CG	HIS			-9.23		5.476	16.585		19.11
MOTA	2128		HIS			-10.46		1.910	16.822		23.60
ATOM	2129		HIS			-11.23		5.064	15.756		19.21
ATOM	2130		HIS			-10.54		5.722	14.844		24.32
ATOM	2131	CD2	HIS	A	283	-9.29	o 26	5.007	15.343	1.00	23.68

ATOM	2132	С	HIS A	283	-7.254	26.512	19.707	1.00 17.83
MOTA	2133	0	HIS A	283	-7.428	25.694	20.622	1.00 18.19
MOTA	2134	N	ARG A	284	-6.201	27.314	19.637	1.00 17.80
ATOM	2135	CA	ARG A		-5.240	27.348	20.746	1.00 18.49
ATOM	2136	CB	ARG A		-4.226	26.210	20.609	1.00 18.69
	2137	CG	ARG A		-3.276	26.099	21.796	1.00 18.21
ATOM			ARG A		-2.402	24.878	21.679	1.00 19.61
ATOM	2138	CD			-1.291	24.852	22.639	1.00 17.43
MOTA	2139	NE	ARG A			24.269	23.836	1.00 17.43
MOTA	2140	CZ	ARG A		-1.355		24.275	1.00 16.53
MOTA	2141	NH1			-2.509	23.773		
MOTA	2142	NH2			-0.290	24.237	24.619	1.00 17.46
ATOM	2143	С	ARG A		-4.530	28.695	20.752	1.00 17.37
MOTA	2144	0	ARG A		-4.367	29.323	19.707	1.00 16.68
MOTA	2145	N	VAL A		-4.142	29.123	21.941	1.00 16.77
MOTA	2146	CA	VAL A		-3.720	30.502	22.158	1.00 18.62
ATOM	2147	CB	VAL A	285	-3.294	30.774	23.616	1.00 18.24
MOTA	2148	CG1	VAL A	285	-2.160	29.860	24.061	1.00 18.15
ATOM	2149	CG2	VAL A	285	-2.946	32.249	23.792	1.00 21.76
ATOM	2150	С	VAL A	285	-2.599	30.925	21.225	1.00 19.42
ATOM	2151	0	VAL A	285	-1.503	30.358	21.256	1.00 20.43
ATOM	2152	N	HIS A	286	-2.914	31.919	20.395	1.00 21.27
ATOM	2153	CA	HIS A		-1.916	32.671	19.615	1.00 22.02
ATOM	2154	СВ	HIS A		-1.237	33.690	20.547	1.00 20.50
ATOM	2155	CG	HIS A		-0.509	34.803	19.848	1.00 23.00
ATOM	2156	ND1			0.558	34.583	19.001	1.00 22.19
ATOM	2157	CE1	HIS A		0.997	35.742	18.539	1.00 28.42
	2158		HIS A		0.299	36.711	19.104	1.00 23.08
ATOM	2159	CD2			-0.660	36.149	19.920	1.00 25.08
ATOM		C	HIS A		-0.937	31.748	18.880	1.00 20.60
ATOM	2160		HIS A		0.249	32.021	18.774	1.00 22.19
ATOM	2161	0			-1.425	30.634	18.328	1.00 19.66
ATOM	2162	N		287	-0.622	29.854	17.395	1.00 20.00
ATOM	2163	CA		287			16.577	1.00 20.00
ATOM	2164	CB		287	-1.505	28.919		
ATOM	2165	CG		287	-2.213	27.872	17.401	1.00 22.55
MOTA	2166	SD		287	-1.075	26.566	17.823	1.00 40.15
MOTA	2167	CE		287	-1.223	27.071	19.109	1.00 6.08
ATOM	2168	С		287	0.133	30.710	16.385	1.00 20.09
MOTA	2169	0		287	-0.471	31.515	15.681	1.00 20.94
MOTA	2170	N	VAL A		1.422	30.424	16.237	1.00 19.63
ATOM	2171	CA	VAL A		2.388	31.249	15.511	1.00 18.83
ATOM	2172	CB	VAL A	288	1.962	31.725	14.093	1.00 17.58
ATOM	2173	CG1	VAL A	288	3.180	32.328	13.410	1.00 18.31
MOTA	2174	CG2	VAL A	288	1.542	30.563	13.204	1.00 17.78
ATOM	2175	С	VAL A	288	2.758	32.425	16.439	1.00 18.47
ATOM	2176	0	VAL A	288	1.937	33.283	16.710	1.00 20.51
ATOM	2177	N	GLN A		3.970	32.397	16.978	1.00 20.96
ATOM	2178	CA	GLN A		4.275	33.242	18.136	1.00 22.85
ATOM	2179	СВ	GLN A		5.360	32.573	18.989	1.00 23.05
ATOM	2180	CG	GLN A		5.711	33.382	20.255	1.00 23.08
ATOM	2181	CD	GLN A		6.940	32.853	20.982	1.00 24.28
ATOM	2182		GLN A		7.913	32.445	20.361	1.00 27.56
ATOM	2183		GLN A		6.888	32.843	22.309	1.00 23.63
LION	2100	11112	O 1114 II		0.000			

ATOM	2184	С	GLN A	289	4.723	34.660	17.707	1.00 24.40
ATOM	2185	0	GLN A	289	4.391	35.649	18.378	1.00 23.35
ATOM	2186	N	THR A	290	5.492	34.737	16.617	1.00 26.49
ATOM	2187	CA	THR A	290	6.172	35.968	16.207	1.00 25.39
ATOM	2188	СВ	THR A	290	7.702	35.856	16.359	1.00 26.91
ATOM	2189	OG1	THR A		8.244	35.042	15.307	1.00 28.99
ATOM	2190	CG2	THR A		8.109	35.128	17.629	1.00 27.48
ATOM	2191	C	THR A		5.866	36.465	14.801	1.00 26.87
ATOM	2192	0	THR A		5.512	35.692	13.896	1.00 25.17
ATOM	2193	N	GLU A		6.023	37.770	14.595	1.00 25.95
	2194	CA	GLU A		5.904	38.299	13.242	1.00 26.94
ATOM	2194	CB	GLU A		6.101	39.818	13.221	1.00 28.49
ATOM			GLU A		5.769	40.445	11.874	1.00 26.87
ATOM	2196	CG	GLU A		6.009	41.941	11.858	1.00 36.69
ATOM	2197	CD			7.008	42.378	11.254	1.00 43.24
ATOM	2198	OE1				42.576	12.471	1.00 40.46
ATOM	2199		GLU A		5.212		12.314	1.00 26.09
MOTA	2200	С	GLU A		6.910	37.609		1.00 25.81
MOTA	2201	0	GLU A		6.577	37.275	11.174	1.00 23.81
MOTA	2202	N	CYS A		8.123	37.346	12.792	1.00 27.35
ATOM	2203	CA	CYS A		9.115	36.718	11.917	
MOTA	2204	CB	CYS A		10.448	36.520	12.615	1.00 29.85
MOTA	2205	SG `			11.241	38.119	12.768	1.00 41.05
MOTA	2206	С	CYS A		8.623	35.388	11.374	1.00 24.32
ATOM	2207	0	CYS A		8.866	35.043	10.217	1.00 21.58
ATOM	2208	N	GLN A	293	7.928	34.654	12.234	1.00 23.27
MOTA	2209	CA	GLN A	293	7.384	33.358	11.845	1.00 22.22
ATOM	2210	CB	GLN A	293	6.829	32.657	13.092	1.00 23.15
ATOM	2211	CG	GLN A	293	7.935	32.014	13.943	1.00 22.95
ATOM	2212	CD	GLN A	293	7.497	31.584	15.342	1.00 24.04
ATOM	2213	OE1	GLN A	293	6.342	31.765	15.721	1.00 21.47
ATOM	2214	NE2	GLN A	293	8.409	30.964	16.098	1.00 21.01
ATOM	2215	С	GLN A	293	6.316	33.548	10.766	1.00 21.55
ATOM	2216	0	GLN A	293	6.228	32.792	9.791	1.00 20.32
ATOM	2217	N	TYR A		5.506	34.586	10.920	1.00 21.97
ATOM	2218	CA	TYR A		4.537	34.924	9.888	1.00 21.49
ATOM	2219	СВ	TYR A		3.670	36.091	10.352	1.00 23.10
ATOM	2220	CG	TYR A		2.400	36.319	9.556	1.00 21.89
ATOM	2221	CD1	TYR A		1.379	35.379	9.531	1.00 19.98
ATOM	2222	CE1	TYR A		0.185	35.606	8.862	1.00 22.15
ATOM	2223	CZ	TYR A		0.045	36.772	8.138	1.00 24.71
ATOM	2224	OH	TYR A		-1.116	36.991	7.445	1.00 25.08
ATOM	2225	CE2			1.059	37.703	8.118	1.00 22.86
	2226	CD2			2.222	37.489	8.827	1.00 23.52
ATOM		CD2	TYR A		5.239	35.306	8.576	1.00 22.57
MOTA	2227		TYR A		4.786	34.933	7.491	1.00 20.32
ATOM	2228	0			6.373	36.001	8.670	1.00 22.24
ATOM	2229	N	VAL A		7.104	36.358	7.454	1.00 20.86
ATOM	2230	CA	VAL A		8.267	37.326	7.712	1.00 23.76
ATOM	2231	CB	VAL A			37.568	6.381	1.00 23.70
ATOM	2232	CG1			9.018		8.308	1.00 23.00
ATOM	2233		VAL A		7.749	38.634	6.790	1.00 23.92
ATOM	2234	С	VAL A		7.640	35.093		1.00 19.44
ATOM	2235	0	VAL A	295	7.633	34.973	5.572	1.00 20.02

ATOM	2236	N	TYR A	296	8.078	34.149	7.611	1.00 21.43
ATOM	2237	CA	TYR A	296	8.763	32.971	7.121	1.00 19.39
ATOM	2238	CB	TYR A	296	9.281	32.156	8.298	1.00 19.80
ATOM	2239	CG	TYR A	296	9.911	30.860	7.902	1.00 18.43
ATOM	2240	CD1	TYR A	296	11.208	30.833	7.381	1.00 18.72
ATOM	2241	CE1	TYR A		11.823	29.631	7.077	1.00 22.90
ATOM	2242	CZ	TYR A		11.154	28.450	7.332	1.00 22.92
ATOM	2242	OH	TYR A		11.728	27.247	7.033	1.00 23.22
	2243	CE2			9.873	28.447	7.854	1.00 23.22
ATOM								
MOTA	2245	CD2			9.275	29.644	8.162	
ATOM	2246	C	TYR A		7.771	32.136	6.320	1.00 18.46
ATOM	2247	0	TYR A		8.157	31.542	5.319	1.00 19.77
ATOM	2248	N	LEU A		6.509	32.096	6.767	1.00 19.80
ATOM	2249	CA	LEU A		5.478	31.346	6.056	1.00 17.52
ATOM	2250	CB	LEU A		4.148	31.412	6.825	1.00 19.78
ATOM	2251	CG	LEU A	297	4.110	30.542	8.092	1.00 16.59
ATOM	2252	CD1	LEU A	297	2.768	30.733	8.798	1.00 20.00
MOTA	2253	CD2	LEU A	297	4.304	29.063	7.757	1.00 18.37
ATOM	2254	С	LEU A	297	5.311	31.947	4.657	1.00 18.94
ATOM	2255	0	LEU A	297	5.174	31.247	3.654	1.00 19.58
ATOM	2256	N	HIS A		5.350	33.270	4.588	1.00 19.76
ATOM	2257	CA	HIS A		5.257	33.950	3.290	1.00 19.33
ATOM	2258	СВ	HIS A		5.120	35.462	3.508	1.00 20.79
ATOM	2259	CG	HIS A		3.742	35.888	3.889	1.00 19.70
	2260	ND1			3.242	35.727	5.165	1.00 20.71
ATOM			HIS A			36.153	5.105	1.00 20.71
ATOM	2261	CE1			1.991			
ATOM	2262	NE2			1.672	36.608	3.998	1.00 23.44
ATOM	2263		HIS A		2.753	36.453	3.162	1.00 20.17
ATOM	2264	С	HIS A		6.475	33.665	2.410	1.00 18.63
MOTA	2265	0	HIS A		6.333	33.486	1.200	1.00 20.17
ATOM	2266	N	GLN A		7.667	33.627	2.990	1.00 21.31
MOTA	2267	CA	GLN A	299	8.868	33.309	2.226	1.00 20.83
MOTA	2268	CB	GLN A	299	10.128	33.492	3.082	1.00 22.50
ATOM	2269	CG	GLN A	299	10.312	34.954	3.499	1.00 25.27
MOTA	2270	CD	GLN A	299	11.423	35.135	4.525	1.00 28.26
MOTA	2271	OE1	GLN A	299	11.557	34.329	5.445	1.00 29.83
ATOM	2272	NE2	GLN A	299	12.188	36.219	4.403	1.00 26.71
MOTA	2273	С	GLN A	299	8.769	31.887	1.693	1.00 21.19
ATOM	2274	0	GLN A		9.147	31.646	0.552	1.00 20.84
ATOM	2275	N	CYS A		8.231	30.964	2.490	1.00 19.77
ATOM	2276	CA	CYS A		8.097	29.590	2.021	1.00 21.20
ATOM	2277	CB	CYS A		7.546	28.649	3.111	1.00 21.59
ATOM	2278	SG	CYS A		8.659	28.313	4.496	1.00 21.31
		C	CYS A		7.227	29.549	0.778	1.00 18.38
ATOM	2279							
ATOM	2280	0	CYS A		7.572	28.916	-0.213	1.00 19.58
ATOM	2281	N	VAL A		6.076	30.207	0.833	1.00 20.07
ATOM	2282	CA	VAL A		5.143	30.161	-0.279	1.00 19.34
MOTA	2283	CB	VAL A		3.831	30.847	0.087	1.00 19.69
ATOM	2284		VAL A		2.980	31.013	-1.147	1.00 19.02
ATOM	2285	CG2	VAL A		3.082	30.041	1.150	1.00 23.02
ATOM	2286	С	VAL A	301	5.730	30.824	-1.522	1.00 18.98
ATOM	2287	0	VAL A	301	5.634	30.294	-2.652	1.00 18.99

ATOM	2288	N	ARG A	302	6.361	31.968	-1.289	1.00 20.60
ATOM	2289	CA	ARG A	302	7.085	32.662	-2.365	1.00 22.52
ATOM	2290	СВ	ARG A	302	7.807	33.876	-1.811	1.00 23.52
ATOM	2291	CG	ARG A	302	8.616	34.611	-2.872	1.00 24.32
ATOM	2292	CD	ARG A	302	9.710	35.455	-2.228	1.00 26.13
ATOM	2293	NE	ARG A	302	10.667	34.616	-1.520	1.00 31.05
ATOM	2294	CZ	ARG A		11.476		-0.558	1.00 36.30
ATOM	2295	NH1			11.460		-0.192	1.00 37.18
ATOM	2296	NH2	ARG A		12.305		0.041	1.00 34.04
ATOM	2297	C	ARG A		8.087		-3.095	1.00 23.40
ATOM	2298	Ö	ARG A		8.103		-4.329	1.00 23.55
ATOM	2299	N	ASP A		8.903		-2.328	1.00 22.39
ATOM	2300	CA	ASP A		9.904		-2.863	1.00 22.73
ATOM	2300	CB	ASP A		10.892		-1.773	1.00 21.26
ATOM	2301	CG	ASP A		11.711		-1.192	1.00 21.20
	2302	OD1			11.710		-1.789	1.00 20.55
ATOM		OD1	ASP A		12.386		-0.137	1.00 27.02
ATOM	2304				9.338		-3.632	1.00 20.36
ATOM	2305	C	ASP A		9.838		-4.712	1.00 20.30
MOTA	2306	0						1.00 21.23
MOTA	2307	N	VAL A		8.284		-3.106	1.00 20.24
MOTA	2308	CA	VAL A		7.656 6.506		-3.805 -2.948	1.00 19.03
ATOM	2309	CB			5.687		-3.724	1.00 21.99
ATOM	2310	CG1	VAL A					1.00 21.81
MOTA	2311	CG2			7.116		-1.713 $-5.149$	1.00 22.11
ATOM	2312	C	VAL A		7.141		-6.197	1.00 19.92
ATOM	2313	0	VAL A		7.322			1.00 21.24
ATOM	2314	N	LEU A		6.459		-5.112 -6.332	1.00 18.22
MOTA	2315	CA	LEU A		5.836		-6.332	1.00 20.50
ATOM	2316	CB CG	LEU A		4.844 3.557		-5.320	1.00 17.37
MOTA	2317		LEU A		2.712		-4.985	1.00 19.17
MOTA	2318 2319	CD1 CD2	LEU A		2.712		-6.082	1.00 19.33
ATOM	2320	CD2	LEU A		6.824		-7.407	1.00 20.36
ATOM	2321	0	LEU A		6.574		-8.606	1.00 21.30
ATOM			ARG A		7.947		-6.969	1.00 23.03
ATOM	2322 2323	N CA	ARG A		9.014		-7.913	1.00 23.57
ATOM ATOM	2323	CB	ARG A		10.171		-7.207	1.00 23.85
ATOM	2325	CG	ARG A		9.941		-6.733	1.00 25.03
ATOM	2326	CD	ARG A		11.158		-6.039	1.00 25.15
	2327		ARG A		11.010		-5.779	1.00 36.91
ATOM	2328	NE CZ	ARG A		11.865		-5.060	1.00 30.31
ATOM	2329		ARG A		12.925		-4.500	1.00 37.77
ATOM	2330		ARG A		11.658		-4.882	1.00 30.43
ATOM	2331	C	ARG A		9.547		-8.604	1.00 25.69
ATOM	2331		ARG A		9.712		-9.834	1.00 23.35
ATOM	2332	O N	ALA A		9.792		-7.811	1.00 23.33
ATOM	2333	CA	ALA A		10.314		-8.349	1.00 23.23
ATOM		CB	ALA A		10.556		-7.205	1.00 24.20
ATOM	2335 2336	СВ	ALA A		9.354		-7.203 -9.344	1.00 24.03
ATOM	2336	0	ALA A		9.334		-9.344 $-10.410$	1.00 22.10
ATOM	2338	N	ARG A		8.068		-9.008	1.00 22.72
ATOM					7.092		-9.835	1.00 20.00
MOTA	2339	CA	ARG A	200	1.092	20.913	- 9.000	1.00 20.00

MOTA	2340	CB	ARG	Α	308	5.774	25.772	-9.075	1.00 21.72
ATOM	2341	CG	ARG	Α	308	5.870	24.610	-8.109	1.00 22.26
ATOM	2342	CD			308	4.618	24.345	-7.299	1.00 19.97
ATOM	2343	NE	ARG			4.902	23.149	-6.503	1.00 24.07
MOTA	2344	CZ			308	4.025	22.542	-5.718	
ATOM	2345		ARG			2.791	23.003	-5.673	1.00 23.93
MOTA	2346	NH2	ARG	Α	308	4.377	21.464	-5.012	1.00 28.78
MOTA	2347	С	ARG	Α	308	6.876	26.662	-11.139	1.00 22.15
MOTA	2348	0	ARG	Α	308	6.699	26.030	-12.176	1.00 21.30
ATOM	2349	N	LYS	Α	309	6.953	27.992	-11.082	1.00 21.16
ATOM	2350	CA			309	6.685		-12.253	1.00 22.32
ATOM	2351	СВ			309	6.801		-11.901	1.00 24.02
ATOM	2352	CG			309	6.508		-13.040	1.00 29.43
ATOM	2353	CD			309	6.215		-12.484	1.00 37.46
ATOM	2354	CE			309	5.642		-13.538	1.00 44.02
ATOM	2355	ΝZ			309	6.468		-13.712	1.00 43.80
ATOM	2356	С	LYS	Α	309	7.656	28.466	-13.367	1.00 22.56
MOTA	2357	0	LYS	Α	309	7.281	28.420	-14.539	1.00 23.42
ATOM	2358	N	LEU	Α	310	8.900	28.189	-12.999	1.00 22.00
ATOM	2359	CA	LEU	Α	310	9.906	27.866	-14.002	1.00 21.73
ATOM	2360	СВ	LEU			11.289		-13.409	1.00 21.13
ATOM	2361	CG	LEU			11.536		-12.922	1.00 21.73
ATOM	2362		LEU			12.995		-12.487	1.00 22.37
								-14.011	1.00 28.55
ATOM	2363		LEU			11.167			
MOTA	2364	C	LEU			9.830		-14.582	1.00 21.34
ATOM	2365	0	LEU			10.478		-15.598	1.00 23.36
ATOM	2366	N	ARG			9.067		-13.915	1.00 19.41
ATOM	2367	CA	ARG			8.862		-14.373	1.00 19.13
ATOM	2368	CB	ARG	Α	311	9.162	23.298	-13.191	1.00 20.37
ATOM	2369	CG	ARG	Α	311	10.653	23.321	-12.863	1.00 21.47
ATOM	2370	CD	ARG	Α	311	11.008	22.805	-11.476	1.00 24.25
ATOM	2371	NE	ARG	Α	311	10.520	21.442	-11.254	1.00 23.85
ATOM	2372	CZ	ARG			10.688		-10.127	1.00 22.32
ATOM	2373	NH1				11.377	21.330	-9.126	1.00 25.69
ATOM	2374		ARG			10.204	19.543	-9.993	1.00 18.91
ATOM	2375	C	ARG			7.431		-14.838	1.00 21.21
	2376	0	ARG			6.741		-15.241	1.00 25.92
ATOM									
ATOM	2377	050	INH		1	4.605	33.376	23.736	1.00 26.83
ATOM	2378	C49	INH		1	4.231	34.382	24.326	1.00 26.06
ATOM	2379		INH		1	2.962	34.991	23.967	1.00 27.49
ATOM	2380		INH		1	1.903	34.307	23.285	1.00 26.93
ATOM	2381	C55	INH	Z	1	0.784	35.332	23.198	1.00 23.29
ATOM	2382	C54	INH	Z	1	2.396	33.902	21.890	1.00 27.36
ATOM	2383	C53	INH	Z	1	1.427	33.119	24.127	1.00 26.28
MOTA	2384	N32	INH		1	4.935	34.973	25.294	1.00 24.59
ATOM	2385	C31	INH		1	6.210	34.438	25.733	1.00 26.22
ATOM	2386	C34	INH		1	6.924	35.626	26.369	1.00 30.49
	2387	C37	INH		1	7.645	36.501	25.365	1.00 33.76
ATOM									
ATOM	2388	C39	INH		1	7.034	37.645	24.864	1.00 38.94
ATOM	2389	C42	INH		1	7.713	38.450	23.950	1.00 41.70
MOTA	2390	C38	INH		1	9.011	38.126	23.555	1.00 44.11
ATOM	2391	047	INH	Z	1	9.671	38.890	22.679	1.00 44.40

MOTA	2392	C41		Z	1	,	9.626	36.988	24.070	1.00	42.62
MOTA	2393	C40			1	{	3.945	36.181	24.978	1.00	40.44
MOTA	2394	C28			1.		5.891	33.469	26.827	1.00	
MOTA	2395	030			1		4.821	33.476	27.419	1.00	
ATOM	2396	N19	INH	Z	1		6.822	32.576	27.106	1.00	
MOTA	2397	C11	INH	Z	1	(	6.586	31.591	28.149	1.00	22.00
ATOM	2398	C20	INH	Z	1	•	7.939	31.279	28.733	1.00	28.32
MOTA	2399	N22	INH	Z	1	{	3.016	31.042	30.046	1.00	29.86
MOTA	2400	C23	INH	Z	1	9	9.185	30.716	30.864	1.00	32.68
MOTA	2401	021	INH	Z	1	8	3.902	31.256	27.987	1.00	30.70
MOTA	2402	C66	INH	Z	1	į	5.982	30.345	27.471	1.00	23.98
MOTA	2403	C7	INH	Z	1	(	5.449	29.951	26.074	1.00	24.27
MOTA	2404	C4	INH	Z	1	į	5.750	30.388	24.950	1.00	22.11
MOTA	2405	C2	INH	Z	1	(	5.147	30.039	23.651	1.00	23.96
MOTA	2406	C3	INH	Z	1	-	7.564	29.129	25.869	1.00	22.36
ATOM	2407	C6	INH	Z	1	-	7.945	28.794	24.569	1.00	19.47
MOTA	2408	C5	INH	Z	1	-	7.273	29.237	23.440	1.00	24.64
ATOM	2409	N9	INH	Z	1	7	7.676	28.877	22.190	1.00	20.59
ATOM	2410	S14	INH	Z	1	7	7.262	27.472	21.482	1.00	19.91
ATOM	2411	015	INH	Z	1	-	7.837	26.333	22.230	1.00	20.79
MOTA	2412	016	INH	Z	1	7	7.744	27.509	20.095	1.00	20.74
MOTA	2413	017	INH	Z	1	5	5.777	27.520	21.588	1.00	19.08
MOTA	2414	01	НОН	W	1	-13	1.455	19.036	16.241	1.00	11.20
ATOM	2415	01	НОН	W	2	10	0.092	17.907	-7.247	1.00	15.97
ATOM	2416	01	НОН	W	3	6	5.980	17.279	36.265	1.00	18.93
ATOM	2417	01	НОН	W	4	12	2.344	25.665	-10.547	1.00	26.47
ATOM	2418	01	HOH	W	5	-0	.391	18.120	30.610	1.00	15.54
MOTA	2419	01	НОН	W	6	-12	2.910	27.809	25.785	1.00	18.19
ATOM	2420	01	НОН	W	7	16	5.795	17.314	22.020	1.00	20.81
ATOM	2421	01	НОН	W	8	10	.903	18.975	31.456	1.00	19.26
ATOM	2422	01	НОН	W	9	12	2.441	11.024	16.607	1.00	18.44
ATOM	2423	01	НОН	W	10	-5	.476	27.892	24.187	1.00	18.18
ATOM	2424	01	НОН	W	11	-5	6.638	29.457	-12.183	1.00	22.91
ATOM	2425	01	НОН	W	12	-5	.887	32.377	20.291	1.00	20.26
MOTA	2426	01	НОН	W	13	12	2.670	1.352	23.922	1.00	21.55
ATOM	2427	01	НОН	W	14	-2	2.209	18.671	-7.515	1.00	17.26
ATOM	2428	01	НОН	W	15	-7	.454	18.582	28.843	1.00	18.21
MOTA	2429	01	НОН	W	16	-8	.860	24.488	29.900	1.00	19.86
ATOM	2430	01	НОН	W	17	-2	.830	35.618	3.268	1.00	21.86
ATOM	2431	01	НОН	W	18	18	.579	15.179	13.609	1.00	26.92
ATOM	2432	01	НОН	W	19	-4	.688	14.506	34.209	1.00	22.07
MOTA	2433	01	НОН	W	20	2	.105	17.068	26.391	1.00	16.42
MOTA	2434	01	НОН	W	21	4	.863	29.127	33.970	1.00	21.17
MOTA	2435	01	НОН	W	22	-3	.568	19.852	7.077	1.00	22.18
MOTA	2436	01	НОН	W	23	<b>-</b> 5	.576	3.087	15.955	1.00	26.29
ATOM	2437	01	нон	W	24	-12	.917	17.205	18.619	1.00	22.65
ATOM	2438	01	НОН		25		.698	13.470	17.368		27.43
ATOM	2439	01	НОН		26		.962	17.321	29.108		20.96
ATOM	2440	01	НОН	W	27	2	.295	24.954	29.144		19.64
ATOM	2441	01	НОН	W	28	-1	.602	16.134	32.029	1.00	21.50
ATOM	2442	01	НОН	W	29	-0	.729	38.734	15.728		29.29
MOTA	2443	01	НОН	W	30	-7	.527	23.769	23.695	1.00	24.34

ATOM	2444	01	нон w	31	14.282	22.365	16.948	1.00 22.99
MOTA	2445	01	HOH W	32	-1.604	32.781	-14.649	1.00 27.92
MOTA	2446	01	HOH W		-8.734	34.148		1.00 25.36
MOTA	2447	01	HOH W		8.370	30.039		1.00 21.01
MOTA	2448	01	HOH W	35	14.794	1.864		1.00 28.16
MOTA	2449	01	HOH W	36	-10.739	27.532		1.00 24.62
ATOM	2450	01	HOH W	37	-7.059	1.474		1.00 25.62
ATOM	2451	01	HOH W	38	-11.234	14.555		1.00 23.76
ATOM	2452	01	HOH W	39	4.445	10.833		1.00 24.00
ATOM	2453	01	HOH W	40	7.644	22.182		1.00 31.73
ATOM	2454	01	HOH W	41	-9.581	18.385	34.798	1.00 27.77
ATOM ATOM	2455 2456	01 01		42	-3.762	2.958	27.993	1.00 25.67
ATOM	2457	01	HOH W	43 44	16.682 1.889	28.017	20.896	1.00 27.72
ATOM	2457	01	HOH W	45	1.627	20.014 25.550	3.611 -6.758	1.00 25.02 1.00 34.05
ATOM	2459	01	HOH W	46	0.286	7.549	9.166	1.00 34.03
ATOM	2460	01	HOH W	47	-3.896	24.915	37.139	1.00 38.49
ATOM	2461	01	HOH W	48	15.746	30.134	2.550	1.00 25.69
ATOM	2462	01	HOH W	49	-5.568	10.500	33.186	1.00 28.26
ATOM	2463	01	HOH W	50	-1.650	34.023	1.496	1.00 26.31
ATOM	2464	01	HOH W	51	-7.652	10.717	25.362	1.00 28.32
ATOM	2465	01	HOH W	52	0.328	0.370	13.309	1.00 27.61
ATOM	2466	01	HOH W	53	15.355	1.106	30.215	1.00 30.33
MOTA	2467	01	HOH W	54	10.015	24.503	30.496	1.00 29.94
MOTA	2468	01	HOH W	55	-11.943	35.367	17.617	1.00 28.12
MOTA	2469	01	HOH W	56	-4.357	-4.311	17.098	1.00 30.10
ATOM	2470	01	HOH W	57	-1.130	26.109	35.655	1.00 35.14
MOTA	2471	01	HOH W	58	6.603	33.740	-5.667	1.00 34.26
MOTA	2472	01	HOH W	59	-11.191	21.716	18.000	1.00 28.53
ATOM	2473	01	HOH W	60	4.005	20.176	-0.974	1.00 28.49
ATOM	2474	01	HOH W	61	15.234	25.407	33.117	1.00 33.69
ATOM	2475	01	HOH W	62	16.720	13.787	18.961	1.00 30.06
ATOM	2476	01	HOH W	63	17.985	26.085	10.889	1.00 35.47
ATOM	2477 2478	01	HOH W	64	-4.391	35.179	19.227	1.00 26.34
ATOM ATOM	2478	01 01	HOH W	65 66	-10.126	3.407	31.678	1.00 37.24
ATOM	2479	01	HOH W	66 67	13.041 15.808	23.718 27.630	-8.522	1.00 26.67
ATOM	2481	01	HOH W	68	-5.194	14.828	0.948 38.851	1.00 31.53 1.00 32.15
ATOM	2482	01	HOH W	69	-2.993	14.561	10.647	1.00 32.13
ATOM	2483	01	HOH W	70	4.460		-13.772	1.00 27.37
ATOM	2484	01	HOH W	71	-1.043	10.807	12.546	1.00 36.09
ATOM	2485	01	HOH W	72	5.955		-17.688	1.00 35.00
MOTA	2486	01	HOH W	73	-4.797	23.062	3.425	1.00 23.14
MOTA	2487	01	HOH W	74	12.930	17.207	31.823	1.00 25.65
MOTA	2488	01	HOH W	75	14.465	31.814	0.729	1.00 29.17
ATOM	2489	01	HOH W	76	11.351	8.765	29.000	1.00 29.76
ATOM	2490	01	HOH W	77	-3.463	15.346	8.038	1.00 33.01
ATOM	2491	01	HOH W	78	9.188	38.767	15.085	1.00 31.31
MOTA	2492	01	HOH W	79	-2.414	9.596	32.635	1.00 44.49
ATOM	2493	01	HOH W	80	-4.993	26.536	9.601	1.00 32.37
ATOM	2494	01	HOH W	81	-15.925	15.529	11.947	1.00 25.86
ATOM	2495	01	HOH W	82	-12.382	18.790	35.935	1.00 34.44

ATOM	2496	01	НОН	W	83	2.705	48.628	10.273	1.00	40.15
ATOM	2497	01	НОН		84	-13.564	21.329	28.598	1.00	
MOTA	2498	01	НОН		85	6.479	39.636	16.774	1.00	
ATOM	2499	01	НОН		86	14.961	4.598	28.207	1.00	29.83
MOTA	2500	01	НОН		87	18.504	19.104	23.863	1.00	
MOTA	2501	01	НОН		88	10.773	20.142	-0.695	1.00	
ATOM	2502	01	НОН		89	3.708	16.397	0.920	1.00	
ATOM	2503	01	НОН		90	-4.973	37.993	-5.374	1.00	31.06
ATOM	2504	01	НОН		91	22.103	24.540	26.314	1.00	35.14
MOTA	2505	01	НОН		92	10.864	34.785	14.518	1.00	48.98
MOTA	2506	01	НОН		93	-12.541	12.084	30.086	1.00	37.23
ATOM	2507	01	НОН		94	13.549	-1.341	30.361	1.00	38.12
ATOM	2508	01	НОН		95	-3.286	-3.603	24.358	1.00	30.37
MOTA	2509	01	HOH	W	96	-0.950	37.575	3.392	1.00	26.13
MOTA	2510	01	HOH	W	97	2.862	18.800	1.412	1.00	26.47
ATOM	2511	01	HOH		98	2.741	4.340	11.947	1.00	42.25
MOTA	2512	01	HOH		99	1.437	11.596	33.660	1.00	33.67
MOTA	2513	01	HOH 1		100	-4.898	17.123	5.233		30.59
ATOM	2514	01	HOH !		101	-0.328	39.659	22.285	1.00	37.92
ATOM	2515	01	HOH I		.02	0.457	18.578	-0.352		32.32
ATOM	2516	01	HOH I		.03	15.238	15.465	29.462		35.78
ATOM	2517	01	HOH I		.04	12.139	22.090	-0.159		34.03
ATOM	2518	01	HOH I		.05	-14.864	19.163	30.964		32.43
ATOM	2519	01	HOH I		.06	-14.505	20.555	25.186		29.82
MOTA	2520	01	HOH I	W 1	.07	3.363	34.814	-7.718	1.00	34.48
ATOM	2521	01	HOH I		.08	-13.197	17.085	34.279	1.00	38.85
MOTA	2522	01	нон и		.09	-1.443	5.382	31.117	1.00	38.54
ATOM	2523	01	HOH 1		.10	-0.120	14.286	35.601	1.00	31.88
ATOM	2524	01	HOH I		.11	9.032	-5.844	19.709		36.70
ATOM	2525	01	HOH A		.12	11.379	24.876	-1.986		43.81
ATOM	2526	01	HOH A		.13	12.352	38.057	2.063	1.00	31.64
ATOM	2527	01	HOH A		.14	-5.579	7.024	7.334		39.14
MOTA	2528	01	HOH V		.15	-6.985	29.910	-0.433	1.00	41.07
ATOM	2529	01	HOH I		16	5.045	33.328	-8.532		37.73
MOTA	2530	01	HOH V		.17	8.662	12.116	1.108		39.77
ATOM	2531	01	HOH V		18	-6.293	5.912	32.542		30.14
ATOM	2532	01	HOH V		19	-13.725	11.954	27.110		39.76
ATOM	2533	01	HOH V		20	16.415	8.189	22.223	1.00	29.43
ATOM	2534	01	HOH V			-12.645	19.481	23.348		31.08
ATOM	2535	01	HOH V			-13.636	39.606	9.864		39.73
ATOM	2536	01	HOH V			-11.065	7.560	40.828		45.73
ATOM	2537	01	HOH V			-8.777	3.390	20.560		36.17
ATOM	2538	01	HOH V			3.379	22.820	-2.032		27.89
ATOM	2539	01	HOH V			-11.598	14.866	35.138		32.20
ATOM	2540	01	HOH V			-0.940	19.672	39.788		33.34
ATOM	2541	01	HOH V			15.163	-4.713	22.940		36.19
ATOM	2542	01	HOH M			-0.987	26.949	-6.156		36.12
ATOM	2543	01	HOH M			10.863	12.854	1.718		34.61
ATOM	2544	01	HOH M			14.478	36.267	1.695		41.25
ATOM	2545	01	HOH W			15.776	23.818	18.687		35.61
ATOM	2546	01	HOH M			21.161	7.231	12.795		32.15
ATOM	2547	01	HOH M	1 1	34	22.887	22.904	29.299	1.00	36.68

ATOM         2548         O1         HOH W 135         3.909         17.363         36.196         1.00         35.35           ATOM         2559         O1         HOH W 136         -12.046         11.064         22.456         1.00         35.04           ATOM         2551         O1         HOH W 138         14.969         31.915         7.579         1.00         35.09           ATOM         2552         O1         HOH W 140         2.776         12.732         37.520         1.00         41.66           ATOM         2555         O1         HOH W 141         -1.350         12.666         37.266         1.00         40.38           ATOM         2556         O1         HOH W 142         -3.324         6.477         10.524         1.00         40.37           ATOM         2555         O1         HOH W 144         -16.061         29.270         31.00         1.00         37.22           ATOM         2550         O1         HOH W 144         -16.061         29.2750         31.00         40.05           ATOM         2560         O1         HOH W 147         -5.762         3.453         30.636         1.00         35.30           ATOM<									
ATOM         2549         Ol         HOH W 136         -12.046         11.064         22.456         1.00         35.04           ATOM         2551         Ol         HOH W 137         -12.824         27.211         19.118         1.00         38.04           ATOM         2552         Ol         HOH W 139         113.443         32.417         -3.827         1.00         44.74           ATOM         2553         Ol         HOH W 141         -1.350         12.666         37.266         1.00         40.38           ATOM         2555         Ol         HOH W 142         3.324         6.477         10.524         1.00         40.38           ATOM         2556         Ol         HOH W 144         -16.166         29.270         31.100         1.00         45.63           ATOM         2557         Ol         HOH W 144         16.001         -2.359         30.645         1.00         44.06           ATOM         2560         Ol         HOH W 145         2.861         45.550         14.180         1.00         44.05           ATOM         2561         Ol         HOH W 148         -8.052         22.984         -0.071         1.00         31.34	ATOM	2548	01	HOH W	135	3.909	17.363	36.196	1.00 35.35
ATOM   2550   01   HOH W 137   -12,824   27,211   19,118   1,00   38.04   ATOM   2552   01   HOH W 138   13,443   32,417   -3,827   1.00   44,74   ATOM   2553   01   HOH W 140   2,776   12,732   37,520   1.00   41,66   ATOM   2555   01   HOH W 141   -1,350   12,666   37,266   1.00   40,36   ATOM   2555   01   HOH W 141   -1,350   12,666   37,266   1.00   40,36   ATOM   2555   01   HOH W 142   3,324   6,477   10,524   1.00   37,22   ATOM   2555   01   HOH W 143   -16,166   29,270   31,100   1.00   36,51   ATOM   2557   01   HOH W 145   2,861   45,550   14,180   1.00   45,63   ATOM   2559   01   HOH W 147   -5,762   3,453   30,636   1.00   34,05   ATOM   2560   01   HOH W 147   -5,762   3,453   30,636   1.00   34,05   ATOM   2561   01   HOH W 148   -6,652   2,984   0,771   10,00   31,34   ATOM   2563   01   HOH W 150   -9,852   26,486   11,576   1.00   31,34   ATOM   2565   01   HOH W 151   -11,032   3,045   3,945   1.00   41,67   ATOM   2565   01   HOH W 151   -11,032   3,045   3,945   1.00   31,34   ATOM   2566   01   HOH W 151   -11,032   3,045   3,945   1.00   31,34   ATOM   2566   01   HOH W 155   -9,852   26,486   11,576   1.00   37,13   ATOM   2566   01   HOH W 155   -1,1032   3,045   3,945   1.00   41,67   ATOM   2566   01   HOH W 155   -1,662   -6,734   1,786   1,00   31,34   ATOM   2567   01   HOH W 155   -0,977   7,991   -0,542   1.00   40,14   ATOM   2571   01   HOH W 155   -0,977   7,991   -0,542   1.00   40,14   ATOM   2572   01   HOH W 155   -0,977   7,991   -0,542   1.00   40,14   ATOM   2573   01   HOH W 165   -13,365   36,694   5,529   1.00   40,14   ATOM   2573   01   HOH W 165   -13,365   36,694   5,529   1.00   40,14   ATOM   2573   01   HOH W 165   -13,365   36,694   5,529   1.00   40,14   ATOM   2570   01   HOH W 165   -13,365   36,694   5,529   1.00   40,14   ATOM   2570   01   HOH W 166   -13,791   14,215   31,432   1.00   38,35   ATOM   2570   01   HOH W 167   -13,284   32,522   19,061   1.00   40,16   ATOM   2587   01   HOH W 167   -13,284   32,522   19,061   1.00   36,15   ATOM   258	ATOM	2549	01			-12.046	11.064	22.456	1.00 35.04
ATOM 2551 OI HOH W 138							27.211		1.00 38.04
ATOM 2552 OI HOH W 139									
ATOM 2554 OI HOH W 140									
ATOM 2555 OI HOH W 141									
ATOM 2556 01 HOH W 142									
ATOM 2556 01 HOH W 143									
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ATOM 2565 01 HOH W 152	MOTA	2563	01	HOH W	150	-9.852	26.486		1.00 53.30
ATOM 2566 01 HOH W 153	MOTA	2564	01	HOH W	151	-11.032	13.045	39.495	1.00 41.67
ATOM 2567 O1 HOH W 154	ATOM	2565	01	HOH W	152	-5.662	-6.734	17.860	1.00 50.02
ATOM 2568 O1 HOH W 155	MOTA	2566	01	HOH W	153	-14.654	10.777	19.722	1.00 39.18
ATOM 2568 O1 HOH W 155	ATOM	2567	01	HOH W	154	11.452	35.739	9.234	1.00 31.71
ATOM 2569 01 HOH W 156 11.447 44.304 4.341 1.00 42.42 ATOM 2570 01 HOH W 157 20.425 25.089 10.825 1.00 38.33 ATOM 2571 01 HOH W 158 -0.478 42.056 23.691 1.00 40.14 ATOM 2572 01 HOH W 159 -13.365 36.694 5.529 1.00 49.14 ATOM 2573 01 HOH W 160 15.601 29.777 23.845 1.00 36.82 ATOM 2574 01 HOH W 161 10.807 30.311 34.040 1.00 40.96 ATOM 2575 01 HOH W 162 -4.239 12.123 10.131 1.00 32.53 ATOM 2576 01 HOH W 163 -15.155 30.501 26.593 1.00 34.26 ATOM 2577 01 HOH W 163 -15.155 30.501 26.593 1.00 34.26 ATOM 2577 01 HOH W 165 -3.791 2.469 10.886 1.00 39.48 ATOM 2578 01 HOH W 166 -13.791 14.215 31.432 1.00 38.00 ATOM 2580 01 HOH W 166 -13.791 14.215 31.432 1.00 38.00 ATOM 2581 01 HOH W 168 -17.968 15.461 15.749 1.00 42.73 ATOM 2582 01 HOH W 169 3.057 38.735 -8.809 1.00 36.15 ATOM 2583 01 HOH W 170 -13.284 32.522 19.061 1.00 43.72 ATOM 2585 01 HOH W 171 9.161 39.858 11.511 1.00 61.20 ATOM 2585 01 HOH W 171 9.161 39.858 11.511 1.00 61.20 ATOM 2585 01 HOH W 172 -8.076 25.214 1.277 1.00 34.46 ATOM 2586 01 HOH W 173 2.413 -7.723 17.535 1.00 50.89 ATOM 2589 01 HOH W 173 2.413 -7.723 17.535 1.00 35.38 ATOM 2589 01 HOH W 175 10.930 20.638 33.730 1.00 35.38 ATOM 2589 01 HOH W 176 4.602 2.675 11.036 1.00 35.38 ATOM 2589 01 HOH W 177 4.229 47.562 3.051 1.00 39.90 ATOM 2593 01 HOH W 177 4.229 47.562 3.051 1.00 39.90 ATOM 2593 01 HOH W 178 15.151 17.822 29.427 1.00 40.53 ATOM 2593 01 HOH W 179 -1.974 45.545 5.497 1.00 40.53 ATOM 2593 01 HOH W 179 -1.974 45.545 5.497 1.00 40.53 ATOM 2593 01 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2594 01 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2595 01 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2595 01 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2598 01 HOH W 181 -3.116 46.090 12.430 1.00 46.55 ATOM 2598 01 HOH W 181 -3.116 46.090 12.430 1.00 46.55 ATOM 2598 01 HOH W 181 -3.116 46.090 12.430 1.00 46.55 ATOM 2598 01 HOH W 181 -3.116 46.090 12.430 1.00 46.56 ATOM 2598 01 HOH W 181 -3.2223 41.151 11.001 1.00 46.56	MOTA	2568	01	HOH W	155	-0.977			1.00 45.59
ATOM 2570 01 HOH W 157 20.425 25.089 10.825 1.00 38.33 ATOM 2571 01 HOH W 158 -0.478 42.056 23.691 1.00 40.14 ATOM 2572 01 HOH W 159 -13.365 36.694 5.529 1.00 49.14 ATOM 2573 01 HOH W 160 15.601 29.777 23.845 1.00 36.82 ATOM 2574 01 HOH W 161 10.807 30.311 34.040 1.00 40.96 ATOM 2575 01 HOH W 162 -4.239 12.123 10.131 1.00 32.53 ATOM 2576 01 HOH W 163 -15.155 30.501 26.593 1.00 34.26 ATOM 2577 01 HOH W 164 17.868 18.293 5.518 1.00 38.35 ATOM 2578 01 HOH W 165 -3.791 2.469 10.886 1.00 38.35 ATOM 2579 01 HOH W 166 -13.791 14.215 31.432 1.00 38.00 ATOM 2580 01 HOH W 167 0.432 17.497 39.137 1.00 42.73 ATOM 2583 01 HOH W 169 3.057 38.735 -8.809 1.00 34.15 ATOM 2583 01 HOH W 169 3.057 38.735 -8.809 1.00 36.15 ATOM 2584 01 HOH W 170 -13.284 32.522 19.061 1.00 43.72 ATOM 2585 01 HOH W 171 9.161 39.858 11.511 1.00 61.20 ATOM 2585 01 HOH W 171 9.161 39.858 11.511 1.00 61.20 ATOM 2587 01 HOH W 173 2.413 -7.723 17.535 1.00 50.89 ATOM 2588 01 HOH W 174 7.967 38.224 -3.285 1.00 35.96 ATOM 2589 01 HOH W 175 10.930 20.638 33.730 1.00 35.38 ATOM 2589 01 HOH W 175 10.930 20.638 33.730 1.00 35.38 ATOM 2589 01 HOH W 176 4.602 2.675 11.036 1.00 35.38 ATOM 2590 01 HOH W 176 4.602 2.675 11.036 1.00 39.90 ATOM 2593 01 HOH W 179 -1.974 45.545 5.497 1.00 42.30 ATOM 2593 01 HOH W 179 -1.974 45.545 5.497 1.00 42.30 ATOM 2593 01 HOH W 179 -1.974 45.545 5.497 1.00 42.30 ATOM 2593 01 HOH W 180 -11.790 5.702 19.435 1.00 46.01 ATOM 2595 01 HOH W 180 -11.790 5.702 19.435 1.00 46.55 ATOM 2595 01 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2595 01 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2595 01 HOH W 181 -3.116 46.090 12.430 1.00 46.55 ATOM 2596 01 HOH W 181 -3.116 46.090 12.430 1.00 46.55 ATOM 2596 01 HOH W 181 -3.116 46.090 12.430 1.00 46.55 ATOM 2598 01 HOH W 181 -3.116 46.090 12.430 1.00 46.55 ATOM 2598 01 HOH W 181 -3.116 46.090 12.430 1.00 46.56 ATOM 2598 01 HOH W 181 -3.116 46.090 12.430 1.00 46.56 ATOM 2598 01 HOH W 181 -3.2223 41.151 11.001 1.00 46.56	ATOM			HOH W		11.447			1.00 42.42
ATOM 2571 O1 HOH W 158	ATOM			HOH W			25.089		1.00 38.33
ATOM 2572 O1 HOH W 159 -13.365 36.694 5.529 1.00 49.14 ATOM 2573 O1 HOH W 160 15.601 29.777 23.845 1.00 36.82 ATOM 2574 O1 HOH W 161 10.807 30.311 34.040 1.00 40.96 ATOM 2575 O1 HOH W 162 -4.239 12.123 10.131 1.00 32.53 ATOM 2576 O1 HOH W 163 -15.155 30.501 26.593 1.00 34.26 ATOM 2577 O1 HOH W 163 17.868 18.293 5.518 1.00 38.35 ATOM 2578 O1 HOH W 165 -3.791 2.469 10.886 1.00 39.48 ATOM 2579 O1 HOH W 166 -13.791 14.215 31.432 1.00 38.00 ATOM 2580 O1 HOH W 167 0.432 17.497 39.137 1.00 42.73 ATOM 2581 O1 HOH W 169 3.057 38.735 -8.809 1.00 36.15 ATOM 2583 O1 HOH W 169 3.057 38.735 -8.809 1.00 36.15 ATOM 2584 O1 HOH W 170 -13.284 32.522 19.061 1.00 43.72 ATOM 2585 O1 HOH W 171 9.161 39.858 11.511 1.00 61.20 ATOM 2586 O1 HOH W 173 2.413 -7.723 17.535 1.00 50.89 ATOM 2587 O1 HOH W 173 2.413 -7.723 17.535 1.00 50.89 ATOM 2588 O1 HOH W 174 7.967 38.224 -3.285 1.00 35.96 ATOM 2589 O1 HOH W 175 10.930 20.638 33.730 1.00 35.38 ATOM 2590 O1 HOH W 177 4.229 47.562 3.051 1.00 39.90 ATOM 2591 O1 HOH W 177 4.229 47.562 3.051 1.00 39.90 ATOM 2593 O1 HOH W 178 15.151 17.822 29.427 1.00 40.53 ATOM 2593 O1 HOH W 178 15.151 17.822 29.427 1.00 40.53 ATOM 2593 O1 HOH W 178 15.151 17.822 29.427 1.00 40.53 ATOM 2595 O1 HOH W 180 -11.790 5.702 19.435 1.00 46.01 ATOM 2595 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2597 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2597 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2597 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2597 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2597 O1 HOH W 183 16.937 14.782 22.299 1.00 45.85 ATOM 2597 O1 HOH W 183 16.937 14.782 22.299 1.00 45.85 ATOM 2598 O1 HOH W 184 15.864 28.547 32.612 1.00 52.60 ATOM 2598 O1 HOH W 183 16.937 14.782 22.299 1.00 45.85									
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ATOM 2594 O1 HOH W 181 -3.116 46.090 12.430 1.00 36.56 ATOM 2595 O1 HOH W 182 -2.855 17.252 -3.365 1.00 46.55 ATOM 2596 O1 HOH W 183 16.937 14.782 22.299 1.00 45.85 ATOM 2597 O1 HOH W 184 15.864 28.547 32.612 1.00 52.60 ATOM 2598 O1 HOH W 185 -12.223 41.151 11.021 1.00 46.56	MOTA	2592	01	HOH W	179	-1.974	45.545	5.497	1.00 42.30
ATOM 2595 O1 HOH W 182 -2.855 17.252 -3.365 1.00 46.55 ATOM 2596 O1 HOH W 183 16.937 14.782 22.299 1.00 45.85 ATOM 2597 O1 HOH W 184 15.864 28.547 32.612 1.00 52.60 ATOM 2598 O1 HOH W 185 -12.223 41.151 11.021 1.00 46.56	MOTA	2593	01	HOH W	180	-11.790	5.702	19.435	1.00 46.01
ATOM 2596 O1 HOH W 183 16.937 14.782 22.299 1.00 45.85 ATOM 2597 O1 HOH W 184 15.864 28.547 32.612 1.00 52.60 ATOM 2598 O1 HOH W 185 -12.223 41.151 11.021 1.00 46.56	ATOM	2594	01	HOH W	181	-3.116	46.090	12.430	1.00 36.56
ATOM 2596 O1 HOH W 183 16.937 14.782 22.299 1.00 45.85 ATOM 2597 O1 HOH W 184 15.864 28.547 32.612 1.00 52.60 ATOM 2598 O1 HOH W 185 -12.223 41.151 11.021 1.00 46.56		2595	01	HOH W	182	-2.855	17.252		1.00 46.55
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ATOM 2598 01 HOH W 185 -12.223 41.151 11.021 1.00 46.56									

ATOM	2600	01	HOH W	187	-13.450	16.205	23.864	1.00 39	. 99
ATOM	2601	01	HOH W	188	21.557	8.538	9.074	1.00 32	
ATOM	2602	01	нон w	189	1.733	29.325	-10.520	1.00 44	.58
ATOM	2603	01	HOH W	190	-1.094	24.213	42.979	1.00 44	. 98
ATOM	2604	01	HOH W	191	-6.827	4.971	4.805	1.00 47	
ATOM	2605	01	HOH W	192	-13.991	33.731	13.221	1.00 40	
MOTA	2606	01	HOH W	193	13.588	13.644	-1.450	1.00 40	
MOTA	2607	01		194	-5.326	32.039	-9.354	1.00 38	
ATOM	2608	01	HOH W	195	13.465		-13.581	1.00 39	
ATOM	2609	01	HOH W	196	20.141	-1.476	26.767	1.00 58	
ATOM	2610	01	HOH W	197	-13.105	19.480	20.652	1.00 48	
ATOM	2611	01	HOH W		7.070	7.353	33.532	1.00 49	
ATOM	2612	01	HOH W		6.799		-16.944	1.00 51	
MOTA	2613	01	HOH W		0.389	6.026	29.372	1.00 35 1.00 37	
ATOM	2614	01	HOH W		8.386	25.655 -0.073	32.893 29.521	1.00 37	
ATOM	2615	01	HOH W	202 203	17.615 -6.124	28.880	4.959	1.00 48	
ATOM	2616	01	HOH W	203	13.941	6.496	29.759	1.00 53	
ATOM	2617 2618	01 01	HOH W	205	16.954	-0.234	14.375	1.00 37	
ATOM ATOM	2619	01	HOH W		2.522	-7.489	20.961	1.00 44	
ATOM	2620	01	HOH W		5.703	49.354	10.543	1.00 44	
ATOM	2621	01	HOH W		-9.111	38.567	12.389	1.00 50	
ATOM	2622	01	HOH W		-7.236	20.258	6.492	1.00 35	
ATOM	2623	01		210	8.786	5.463	31.949	1.00 35	
ATOM	2624	01	HOH W		-7.222	40.672	16.386	1.00 42	.49
MOTA	2625	01	HOH W		12.825	34.503	7.617	1.00 38	.94
ATOM	2626	01	HOH W	213	5.590	30.888	31.645	1.00 26	.09
MOTA	2627	01	нон и	214	9.169	32.503	25.209	1.00 41	.71
MOTA	2628	01	HOH W		23.574	26.554	10.071	1.00 56	
ATOM	2629	01	нон W	216	10.056	38.516	-1.760	1.00 38	
ATOM	2630	01	HOH W		-5.653	23.538	10.071	1.00 39	
ATOM	2631	01	HOH W		-9.772	39.888	16.597	1.00 39	
MOTA	2632	01	HOH W		-7.677	22.937	7.244	1.00 48	
MOTA	2633	01	HOH W		-8.099	10.871	39.914	1.00 44	
ATOM	2634	01	HOH W		9.902	31.834	22.653	1.00 46	
ATOM	2635	01	HOH W		3.536	38.208	17.936	1.00 39	
MOTA	2636	01	HOH W		5.427 19.901	12.563 17.833	-2.175 4.495	1.00 43	
ATOM ATOM	2637 2638	01 01	HOH W		-12.027	36.815	13.817	1.00 33	
MOTA	2639	01	HOH W		-8.746	32.585			
ATOM	2640	01	HOH W		17.914	15.042	24.333	1.00 48	
ATOM	2641	01	HOH W		-15.428	28.994	22.176	1.00 32	
ATOM	2642	01	HOH W		-1.184	15.555	39.910	1.00 42	
MOTA	2643	01	HOH W		1.784	16.997	9.532	1.00 38	
ATOM	2644	01	HOH W		-4.431	5.259	30.630	1.00 57	
ATOM	2645	01	HOH W		14.418	34.885	17.296	1.00 49	
MOTA	2646	01	HOH W		-10.428	31.639	7.906	1.00 38	.03
ATOM	2647	01	HOH W		21.073	3.624	22.298	1.00 46	.76
ATOM	2648	01	HOH W		9.325	20.879	-6.720	1.00 46	
ATOM	2649	01	HOH W	236	10.266		-17.765	1.00 43	
ATOM	2650	01	HOH W		2.085	-3.234	15.986	1.00 49	
MOTA	2651	01	HOH W	238	-0.063	5.328	10.360	1.00 52	. 94

MOTA	2652	01	HOH W	239	10.028	22.924	33.652	1.00 45.99
MOTA	2653	01	HOH W	240	16.681	32.926	16.387	1.00 43.29
ATOM	2654	01	HOH W	241	7.871	13.034	37.758	1.00 46.97
ATOM	2655	01	HOH W	242	-7.500	33.136	-10.047	1.00 53.39
MOTA	2656	01	HOH W	243	20.580	20.554	3.052	1.00 48.18
ATOM	2657	01	HOH W	244	17.540	25.077	8.214	1.00 43.50
ATOM	2658	01	HOH W	245	-5.445	39.439	24.106	1.00 43.55
MOTA	2659	01	HOH W		10.166	40.681	14.159	1.00 41.16
ATOM	2660	01	HOH W		19.127	23.993	6.155	1.00 40.29
ATOM	2661	01	HOH W		-5.962	35.247	-11.325	1.00 64.60
ATOM	2662	01	HOH W		-13.021	14.668	4.628	1.00 58.02
ATOM	2663	01	HOH W		-15.666	12.941	32.852	1.00 45.95
ATOM	2664	01	HOH W		-5.827	4.361	28.098	1.00 39.00
ATOM	2665	01	HOH W		-4.508	4.229	4.028	1.00 58.76
ATOM	2666	01	HOH W		-1.679	36.793	-11.023	1.00 54.88
ATOM	2667	01	HOH W		-3.188	12.850	35.709	1.00 44.15
	2668	01	HOH W		-4.863	46.499	9.267	1.00 47.64
ATOM			HOH W		-8.876	14.076	39.968	1.00 49.77
ATOM	2669	01			-7.413	15.403	42.092	1.00 45.77
ATOM	2670	01	HOH W		15.526	32.542	13.982	1.00 38.82
ATOM	2671	01						1.00 58.82
ATOM	2672	01	HOH W		16.627	29.755	30.106	
MOTA	2673	01	HOH W		-6.350	21.495	10.220	1.00 44.14
ATOM	2674	01	HOH W		-10.475	11.052	40.121	1.00 46.63
ATOM	2675	01	HOH W		-16.169	28.237	33.252	1.00 50.35
MOTA	2676	01	HOH W		21.143	26.244	7.273	1.00 49.50
ATOM	2677	01	HOH W		18.544	3.658	19.522	1.00 54.96
ATOM	2678	01	HOH W		-13.057	36.485	10.921	1.00 57.92
MOTA	2679	01	HOH W		-14.213	30.872	7.965	1.00 55.62
MOTA	2680	01	HOH W		23.105	19.120	9.667	1.00 51.70
ATOM	2681	01	HOH W		19.557	23.525	21.545	1.00 55.10
MOTA	2682	01	HOH W		-6.887	8.335	40.062	1.00 53.82
ATOM	2683	01	HOH W		12.547	34.227	22.521	1.00 60.24
ATOM	2684	01	HOH W		-3.101	-0.406	15.411	1.00 43.16
MOTA	2685	01	HOH W		2.686	50.220	2.020	1.00 56.09
ATOM	2686	01	HOH W		-14.257	29.391	17.420	1.00 56.26
ATOM	2687	01	HOH W		-7.269	25.617	22.970	1.00 58.39
MOTA	2688	01	HOH W	275	-2.828	0.486	9.670	1.00 60.53
MOTA	2689	01	HOH W	276	9.879	32.192	-10.785	1.00 50.33
ATOM	2690	01	HOH W	277	-13.291	27.301	37.675	1.00 47.65
ATOM	2691	01	HOH W	278	9.031	40.412	-7.375	1.00 59.24
ATOM	2692	01	HOH W	279	21.333	22.702	9.534	1.00 50.34
MOTA	2693	01	HOH W	280	10.062	2.181	11.069	1.00 63.85
ATOM	2694	01	HOH W	281	-11.670	11.608	25.465	1.00 48.90
ATOM	2695	01	HOH W		5.882	36.123	22.042	1.00 58.95
ATOM	2696	01	HOH W		-4.121	5.854	34.338	1.00 54.24
ATOM	2697	01	HOH W		-9.020	5.421	40.050	1.00 56.11
END								